

Revised Data Handling File (PUBLIC) - Release 200427

2020.04.27

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Since the middle of last year Van Husson initiated an effort to review the NASA station site logs and internal logbooks with a comparison to information that was available in public. Van found numerous pieces of information that were not previously disclosed or were reported incorrectly. A lot of these pertained to correction of biases and related issues, including missing entries, wrong entries, and entries with incorrect period of application dates.

Here we focus on the revised Data Handling file dated 200427. Since the revisions are not simply additional new entries and affect many stations and various time periods, their application requires careful review of the new vs the old (previous) version of the file used by each AC/AAC to ensure consistency. We assume here that you all use the last release of the Data Handling file dated 190925, so our comparisons are done with respect to that last release.

To simplify your task, we furnish (along with the standard text version of the new release) a PDF version that contains the revised/new records in the file highlighted in RED font so that you can easily spot the changes that you will need to apply.

The new file should NOT be implemented for the official ILRS products nor for the ILRS SSEM PP!!!

There is a special version for that purpose and it will be sent directly to the ACs involved.

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VERSION	200427
RELEASE DATE	2020/04/27
DESCRIPTION	range, time and pressure biases to be applied to SLR tracking data and periods to be excluded from data analysis.
INPUT	Corrections to SLR tracking data collected from various tables at CDDIS and resolutions from the ILRS/ASC (AWG) and the T2L2 @ Jason-2 project over July 2008 to December 2017 A review of NASA systems' station logs by Van Husson has revealed numerous corrections that were previously unreported and some that provided the wrong dates and/or values. Optional and historical corrections are listed at the end of this file, following a comment line like the one below:

OUTPUT	ILRS SINEX file with data handling recommendations
ACCESS	https://ilrs.dgfi.tum.de/fileadmin/data_handling/ILRS_Data_Handling_File.snx
CONTACT	Erricos Pavlis <epavlis@umbc.edu>
CONTACT	Christian Schwatke <christian.schwatke@tum.de>

-FILE/REFERENCE

+FILE/COMMENT

The new Centre of Mass correction tables for LAGEOS, Etalon, LARES, Starlette/Stella and Ajisai, provided by Jose Rodriguez in late November 2019 are now mandatory for the new ILRS/ASC products, version v170 (daily) and v70 (weekly).

Last Updated: Apr. 27 2020 Added updates and corrections provided by Van Husson for NASA systems (191219 version)

- Sep. 25 2019 Added hist. HARL (7501) Tb/Rb and edits, and new Wuhan2 (7396)
- Jul. 22 2019 Addition of GGAO SLR (MOB7 7105) barometric pressure corrections
- May 29 2019 New release with recommended and optional sections after EGU2019 ASC meeting
- May 10 2019 Included future South Korean station Geochang (7395)
- May 04 2018 New release with two POINT B missing entries for 7810 & 7824 included
- Mar. 07 2018 New release with the T2L2 (edited) set of TB included

Jun. 06 2017 Yarragadee (7090) release 0 incorrect Met data day 17:152
 May 11 2017 Station Kunming2 (7819) new station replaces 7820 (Kunming)
 Apr. 20 2017 Station Changchun (7237) time bias of 1 ms on Feb. 16 and 17 2017
 Jul. 19 2016 Station 7394 (Sejong) new station, replaces 7359 (Daedok)
 May 12 2016 Station 7080 (MLRS) solve for range bias due to new configuration
 Nov. 18 2015 Station 7105 (MOB7) data edited from Nov. 9 2015 00:00 h UTC until Nov. 17 18:00 h UTC
 Sep. 30 2015 Adding stations Irkutsk(1891) Brazilia(7407), Wettzell SOSW(7827) as new stations
 Jul. 09 2015 Zimmerwald (7810) data not valid July 3 2015 to July 6 2015 8h
 Jul. 06 2015 San Fernando (7824) data not valid from June 17 2015 21h to June 18 2015 4h
 Sep. 09 2014 changed end date of Graz (7839) range bias to 1996/09/28
 Jul. 16 2014 remove of quarantine entries in the file (data are in quarantine in the data centers)
 May. 06 2014 Mt. Stromlo quarantine
 Apr. 29 2014 deletion of double lines
 Apr. 04 2014 Updated biases 7080 in 1990
 Mar. 26 2014 Updated biases for ITRF2013 processing
 Mar. 18 2014 Update from CDDIS free format data corrections, new flag
 Feb. 19 2014 Change of Flag for stations with preliminary coordinates to V (P = pressure bias)
 Feb. 05 2014 incorrect weather data at Haleakala (7119) data to be deleted
 Feb. 04 2014 solve for range biases for Kunming
 Jan. 30 2014 Kunming released from quarantine
 Jan. 27 2014 Wettzell back from quarantine but solving for a range bias is necessary
 Oct. 29 2013 McDonald back to normal operation, without time bias
 Oct. 22 2013 new station Deadok, in quarantine
 Oct. 01 2013 added information on new CoM tables,
 Jun. 18 2013 Haleakala (7119) data released from quarantine
 Apr. 22 2013 Kunming (7820) in quarantine due to more than 90 days without data
 Apr. 19 2013 Haleakala (7119) in quarantine due to telescope removal
 Mar. 08 2013 Simeiz (1873) big range bias
 Feb. 21 2013 Zimmerwald (7810) back to standard processing
 Feb. 18 2013 Zimmerwald (7810) in quarantine due to longer break
 Jan. 08 2013 Russian stations, 1887, 1888, 1889, 1890 no longer in quarantine
 Nov. 12 2012 San Juan (7406) back to normal
 Oct. 24 2012 San Juan (7406) with big range biases since Oct. 13 2012
 Sep. 07 2012 Riga (1884) and Simeiz data released from quarantine
 Aug. 07 2012 Riga (1884) CRD data put into quarantine
 Aug. 05 2012 Monument Peak (7110) big time bias
 Jun. 15 2012 Tahiti (7124) data released from quarantine
 Jun. 05 2012 Russian stations, 1887, 1888, 1889, 1890 are in quarantine
 May. 23 2012 Handling of Beijing data (7249), bias estimation starting 12/03/07
 May. 16 2012 reference to ILRS station upgrades file
 May. 15 2012 Tahiti (7124) put to quarantine (12/05/14), due to receiver upgrade
 Apr. 12 2012 Arequipa (7403) and Monument Peak (7110) data released from quarantine
 Mar. 14 2012 MOBLAS 4, Monument Peak, (7110) big range bias starting: 12/02/23
 Feb. 06 2012 Delete Observations for Haleakala (7119) 12/01/30-12/01/31
 Oct. 06 2011 Range bias estimation for 7821 (Shanghai) 11/05/28-10/09/03
 Sep. 30 2011 Problem with Matera 7941 Sep.24 18:00 - Sep.25 8:00 2011
 Sep. 21 2011 Exclude Simeiz data starting July 2011, increasing time bias
 Nov. 18 2010 mandatory Bias correction for Wettzell (starting March 2009)
 Nov. 12 2010 Bias correction for Arequipa (7403) added
 Sep. 15 2010 -20cm range bias for Haleakala July and August 2010
 Aug. 12 2010 100 ms time bias for MLRO from DOY 221 to 223 2010 included
 Apr. 23 2010 corrections of errors detected by F. Deleflie
 Apr. 15 2010 all corrections from Van's tables at CDDIS added

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For informations on recent station upgrades and data in quarantine refer to:

<http://edc.dgfi.tum.de/en/stations/>

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This file sets up a SLR data handling file for the official ILRS normal points provided by CDDIS (ftp://cddis.gsfc.nasa.gov/slr/data/npt_crd/) and EDC (ftp://edc.dgfi.tum.de/pub/slr/data/npt_crd/)

and contains information on pressure, range and time biases from SLR stations as well as information on passes and to be deleted.

A new section is now added (March 2019) that contains timing biases for the entire network and for the period 2008-2017, estimated from data taken by the T2L2 system on Jason-2. Timing biases and their rates are given in μs and $\mu\text{s/d}$!!!

For the year 1999 a set of single observations to be deleted, e.g. in GEODYN. source CDDIS (ftp://cddis.gsfc.nasa.gov/pub/slr/data/slr_data_corrections.snx)

The content of this file is a recommendation accepted by the ILRS

Analysis Standing Committee in Sep. 2007 with updates since then.

For stations in quarantine data should not be available on the public directories at the data centers. Stations marked with N, are unreliable and should be handled carefully, as unexpected range or time errors may occur.

LEGEND FOR SOLUTION/DATA_HANDLING

 "M" Models codes:

X = Exclude/delete data
 C = Target signature bias, Center-of-mass correction different to standard
 E = Estimation of range bias, known a priori values are given
 H = humidity error (correction in %)
 N = non reliable station, should not be used for routine processing
 P = pressure bias
 Q = Station with data in quarantine, should not be used
 R = Range bias to be applied, no estimation of bias
 S = Stanford event counter bias
 T = Time bias in ms or μs & $\mu\text{s}/\text{d}$ (TZL2) to be applied, but not estimated
 U = Estimation of time bias in ms
 V = Station with not validated coordinates, not solving for biases

estimated values (where provided) must be subtracted from the 1-way observations
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Time Biases of SLR station clocks, relative to UTC, have been estimated from TZL2 measurements during the Jason-2 mission: July 2008 to December 2017.

The method is using a time transfer from a master station (Grasse 7845) where clock behavior is continuously compared to GPS time (then to UTC) to each of the other SLR stations. Grasse has been time calibrated resulting in an accuracy of 0.1-0.2 ns of the time of measurements.

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 September, 1 2017 Release 1.0
 February, 1 2019 Release 2.0

Units: TB are in μs (us) and drift in $\mu\text{s}/\text{day}$

Resolution: by considering the time variations of each TB due to the clock drift, we considered only variations greater than 0.1 μs to be reported.
 Period Covered: 2008-2017

Record Format:

code station (e.g. 7845) "---" (to applied for all satellites) "us" (units)
 "A" YY:DDD:SSSSS (time start) YY:DDD:SSSSS (time end) ?T?, then real values:
 time bias and drift (or 0.0000)

Correct time = time of SLR NP data (t) - (TB + (t - t_midInterval)*drift)

where: $t_{\text{midInterval}} = 1/2 * (\text{time end} + \text{time start})$

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TZL2 Results Availability Period by Station:

CDP#	Period	Comment
1824	2008-07 2016-12	
1831	2008-07 2009-12	
1873	2009-01 2017-12	
1874	2016-01 2017-04	
1879	2016-01 2016-12	
1868	2016-01 2016-12	
1884	2016-01 2017-06	
1886	2016-01 2016-12	
1888	2016-01 2016-12	
1889	2016-01 2017-12	
1890	2016-01 2017-12	
1891	2016-01 2017-04	
1893	2008-07 2017-06	

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7080	2008-07 2017-12	
7090	2008-07 2017-12	
7105	2008-07 2017-12	

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7110 2008-07 2017-12
7119 2010-09 2017-12
7124 2008-07 2017-12
7403 2008-07 2017-12
7406 2012-02 2016-12
7407 2016-01 2016-12
7501 2008-07 2017-12
*
7237 2008-07 2017-12
7308 2009-06 2016-12
7358 2010-11 2011-04
7394 2016-01 2017-04
*
7810 2008-07 2017-12
7811 2008-07 2017-12
*
7821 2008-07 2016-12
7822 2011-05 2011-10
7824 2008-07 2016-01
7825 2008-07 2017-12
7832 2008-08 2011-11
7838 2009-05 2017-12
*
7840 2008-07 2017-12
7841 2008-07 2017-12
7845 2008-07 2017-12
7848 2008-07 2008-12
7941 2008-08 2017-12
8834 2008-07 2017-12
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-FILE/COMMENT

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+INPUT/ACKNOWLEDGMENTS
*AGY _____FULL_DESCRIPTION_____
SGP NASA Goddard Space Flight Center, Greenbelt, MD, USA (Van Husson)
JCT Joint Center for Earth System Technology (JCET), UMBC, Baltimore, MD, USA
DGF Deutsches Geodaetisches Forschungsinstitut (DGFI), Munich, Germany
GFZ GeoForschungsZentrum Potsdam (GFZ), Potsdam, Germany
OCA Observatoire de la Cote d'Azur, Grasse, France
+ Several individuals.

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-INPUT/ACKNOWLEDGMENTS

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* THIS LIST HAS BEEN UPDATED WITH THE LATEST FROM THE ECCENTRICITY FILE
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+SITE/ID

*Code	Pt	__Domes__	T	Station	Description__	Longitude_	Latitude__	Height
1148	A	---	L	Ondrejov	OND. FIXED	14 47 08.1	49 54 49.3	592.6
1181	A	141065001	L	Potsdam	GDR FIXED	13 3 55.0	52 22 48.9	148.5
1824	A	123565001	L	Kiev	KIEV FIXED	30 29 45.1	50 21 47.2	213.1
1831	A	123685001	L	Lviv	LVIV	23 57 15.8	49 55 3.2	359.8
1863	A	123405001	L	Maidanak	MDN. FIXED	66 56 35.3	38 41 8.6	2712.0
1864	A	123405002	L	Maidanak	MDN2 FIXED	66 56 35.1	38 41 5.6	2714.2
1866	A	123475001	L	Dunaovcy	DUN. FIXED	26 43 6.3	48 50 53.6	397.2
1867	A	123445001	L	Evpatoria	EVP. FIXED	33 9 50.5	45 13 11.0	47.7
1868	A	123415001	L	Komsomolsk	KOM. FIXED	136 44 37.7	50 41 40.6	270.1
1869	A	123435001	L	Balkhash	BAL. FIXED	73 36 2.2	45 53 58.6	321.4
1870	A	123095001	L	Mendeleev	MENLAS	37 13 24.4	56 1 39.3	257.3
1871	A	123575001	L	Sarapul	SARLAS	56 28 45.2	53 47 15.0	141.8
1873	A	123375003	L	Simeiz	SIM. FIXED	33 59 27.4	44 24 47.4	365.3
1874	A	123095003	L	Mendeleev2	MDVS	37 13 24.4	56 1 39.3	257.3
1879	A	123725001	L	Altay	ALTL	82 10 38.3	51 20 38.0	270.0
1884	A	123025002	L	Riga	RIGA FIXED	24 3 31.0	56 56 55.3	31.7
1885	A	123025006	L	Riga	RIGA	24 3 31.1	56 56 55.4	31.5
1886	A	123735001	L	Arkhyz		41 25 53.3	43 38 59.4	2078.2
1887	A	256035001	L	Baikonur	BAIL	63 20 31.9	45 42 16.9	98.3
1888	A	123505002	L	Svetloe	QUASAR	29 47 00.0	60 32 00.0	100.0
1889	A	123515002	L	Zelenchuks	QUASAR	41 34 00.0	43 47 00.0	1000.0
1890	A	123385004	L	Badary	QUASAR	102 14 7.3	51 46 12.1	100.0
1891	A	123135007	L	Irkutsk	IRKL FIXED	104 18 59.0	52 13 8.8	505.6
1893	A	123375006	L	Katzively	CRIMEA FIX	33 58 12.4	44 23 35.4	68.7
1953	A	407015001	L	Santiago D	CUBA FIXED	284 14 16.0	20 0 43.0	18.3
7035	A	40436M003	L	Otay Mount	TLRS-3	243 9 32.9	34 22 55.2	2200.0
7040	A	499015001	L	Wrightwood	OCTL	248 34 45.4	41 56 0.7	1963.9
7046	A	40438M002	L	Bear Lake	TLRS-4	248 34 45.4	41 56 0.7	1963.9
7051	A	40433M001	L	Quincy	MOBLAS-1	239 3 37.6	39 58 24.5	1060.7

7061	A	41703M001	L	Easter Isl	TLRS-2	250	36	59.1	-27	-8	-52.1	116.8
7062	A	40436M002	L	Otay Mount	MOBLAS-2	243	9	32.8	32	36	2.6	989.0
7063	A	40451M112	L	Greenbelt	GSFC FIXED	283	10	19.9	39	1	13.3	19.9
7064	A	40451M107	L	Greenbelt	MOBLAS-1	283	10	19.1	39	1	14.9	18.7
7065	A	40451M108	L	Greenbelt	MOBLAS-2	283	10	19.1	39	1	14.4	18.6
7066	A	---	L	Wallops Is	WAL. FIXED	284	29	25.2	37	51	36.5	5.8
7067	A	42501M001	L	Bermuda	MOBLAS-1	295	20	37.6	32	21	12.8	-20.5
7068	A	43602M002	L	Grand Turk	MOBLAS-2	288	52	5.1	21	27	37.7	-17.6
7069	A	40417M002	L	Patrick	PAFB FIXED	279	23	39.4	28	13	40.6	-23.0
7070	A	---	L	Wallops Is	MOBLAS-2	284	29	23.4	37	51	35.9	5.6
7080	A	40442M006	L	Mcdonald	MLRS	255	59	5.2	30	40	48.9	2004.9
7081	A	40417M001	L	Patrick	MOBLAS-2	279	23	36.5	28	13	39.7	1.8
7082	A	40438M001	L	Bear Lake	MOBLAS-1	248	34	45.6	41	56	0.8	1963.7
7083	A	40451M122	L	Greenbelt	MOBLAS-3	283	10	19.1	39	1	14.0	18.6
7084	A	40439M003	L	Owens Vall	MOBLAS-2	241	42	15.2	37	13	55.6	1178.7
7085	A	40405M001	L	Goldstone	MOBLAS-1	243	6	49.0	35	25	27.9	966.7
7086	A	40442M001	L	Mcdonald	MOBLAS-1	255	59	2.6	30	40	37.3	1962.1
7090	A	50107M001	L	Yarragadee	MOBLAS-5	115	20	48.2	-29	-2	-47.3	242.0
7091	A	40440M001	L	Westford	MOBLAS-3	288	30	44.4	42	37	21.7	92.8
7092	A	50505M001	L	Kwajalein	MOBLAS-8	167	28	32.5	9	23	37.6	31.3
7096	A	50503M001	L	American N	MOBLAS-6	189	16	30.4	-14	-20	-7.4	45.5
7097	A	41703M002	L	Easter Isl	TLRS-2	250	36	59.1	-27	-8	-52.1	118.2
7100	A	40451M106	L	Greenbelt	MOBLAS-3	283	10	47.7	39	1	15.4	10.8
7101	A	40451M101	L	Greenbelt	MOBLAS-6	283	10	43.0	39	1	16.2	8.1
7102	A	40451M102	L	Greenbelt	MOBLAS-3	283	10	18.9	39	1	14.4	19.1
7103	A	40451M103	L	Greenbelt	MOBLAS-6	283	10	18.9	39	1	14.6	18.1
7104	A	40451M104	L	Greenbelt	MOBLAS-7	283	10	36.9	39	1	17.0	11.9
7105	A	40451M105	L	Greenbelt	TLRS-2	283	10	20.3	39	1	14.1	19.8
7106	A	40451M113	L	Greenbelt	48-INCH	283	10	17.7	39	1	17.3	20.0
7109	A	40433M002	L	Quincy	MOBLAS-8	239	3	19.0	39	58	30.0	1107.0
7110	A	40497M001	L	Monument P	MOBLAS-3	243	34	38.3	32	53	30.2	1839.7
7111	A	40420M001	L	Vandenberg	TLRS-1	239	29	58.0	34	33	58.4	601.6
7112	A	40496M001	L	Plattevill	MOBLAS-2	255	16	26.4	40	10	58.0	1502.2
7114	A	40439M001	L	Owens Vall	MOBLAS-2	241	42	22.3	37	13	57.2	1178.6
7115	A	40405M002	L	Goldstone	MOBLAS-3	243	12	29.1	35	14	53.9	1037.6
7119	A	40445M004	L	Haleakala	TLRS-4	203	44	35.2	20	42	27.4	3068.5
7120	A	40445M002	L	Haleakala	MOBLAS-1	203	44	38.2	20	42	27.4	3069.6
7121	A	92202M002	L	Huahine	MOBLAS-1	208	57	31.9	-16	-44	-0.6	44.3
7122	A	40504M001	L	Mazatlan	MOBLAS-6	253	32	27.3	23	20	34.2	31.6
7123	A	92202M004	L	Huahine	TLRS-2	208	57	31.9	-16	-44	-0.6	46.1
7124	A	92201M007	L	Papeete	MOBLAS-8	210	23	37.6	-17	-34	-36.5	95.1
7125	A	40451M114	L	Greenbelt	TLRS-3	283	10	21.2	39	1	12.9	19.0
7126	A	---	L	Greenbelt	MLRO	283	10	21.1	39	1	12.9	19.2
7127	A	---	L	Greenbelt	GUTS	283	10	21.1	39	1	12.9	19.2
7130	A	40451M116	L	Greenbelt	TLRS-2	283	10	21.1	39	1	15.2	19.6
7206	A	40442S002	L	Mcdonald	2.7 METER	255	58	40.8	30	40	18.3	2059.0
7210	A	40445M001	L	Haleakala	HALEAKALA	203	44	38.7	20	42	25.9	3068.2
7220	A	40497M002	L	Monument P	TLRS-1	243	34	37.7	32	53	30.2	1840.9
7231	A	21602S004	L	Wuhan	WUHAN	114	29	22.8	30	30	56.4	87.1
7236	A	21602S003	L	Wuhan	WUH. FIXED	114	20	46.5	30	32	30.4	39.4
7237	A	21611S001	L	Changchun	CHALAS	125	26	36.4	43	47	25.8	274.9
7249	A	21601S004	L	Beijing	BEIJ FIXED	115	53	31.3	39	36	24.9	82.3
7261	A	40491M003	L	Flagstaff	TLRS-1	248	21	55.7	35	12	52.3	2144.9
7265	A	40405M006	L	Mojave	TLRS-1	243	6	31.3	35	19	52.3	896.7
7274	A	40497M003	L	Monument P	TLRS-1	243	34	37.8	32	53	30.3	1839.4
7288	A	40405M013	L	Mojave	TLRS-3	243	6	30.5	35	19	52.4	896.8
7295	A	40499M002	L	Richmond	TLRS-1	279	36	57.1	25	36	48.0	-22.0
7300	A	21733S001	L	Minami Tor	HTLRS-1	153	59	3.1	24	17	40.8	35.9
7301	A	21709S001	L	Okinawa (J	HTLRS-1	127	42	56.9	26	7	54.7	126.5
7302	A	21735S001	L	Tsushima	HTLRS-1	129	17	37.0	34	11	47.4	33.9
7303	A	---	L	Oki Gunto	HTLRS-1	133	19	9.7	36	10	48.3	122.5
7304	A	---	L	Minami Dai	HTLRS-1	131	13	47.4	25	49	45.1	50.8
7305	A	---	L	Iwo Jima	HTLRS-1	141	18	20.2	24	46	18.3	135.7
7307	A	21736S001	L	Isigaki Sh	HTLRS-1	124	12	51.4	24	22	9.1	100.8
7308	A	21704S002	L	Koganei	CRLLAS	139	29	20.8	35	42	36.3	123.1
7309	A	---	L	Hachijo Ji	HTLRS-1	139	49	22.1	33	4	22.7	264.1
7313	A	---	L	Hiroo	HTLRS-1	143	19	42.4	42	19	4.1	46.1
7320	A	---	L	Wakkanai	HTLRS-1	141	43	47.8	45	23	9.5	91.6
7321	A	---	L	Oga	HTLRS-1	139	42	6.2	40	0	16.7	69.4
7322	A	---	L	Tyosi	HTLRS-1	140	51	12.4	35	42	17.8	90.1
7323	A	---	L	Makura Sak	HTLRS-1	130	17	35.4	31	16	19.2	62.7
7328	A	21704M001	L	Koganei	KOGLAS	139	29	16.6	35	42	36.6	115.1
7335	A	21701M002	L	Kashima	KASH. FIXD	140	39	27.3	35	57	22.2	66.4
7337	A	21739M001	L	Miura	MIULAS	139	39	1.4	35	12	24.2	99.1
7339	A	21740M001	L	Tateyama	TATLAS	139	50	53.3	34	56	12.9	120.3
7341	A	---	L	Bisei	HTLRS-1	133	34	15.1	34	40	47.0	549.4
7343	A	21601M002	L	Beijing	TROS	115	53	31.3	39	36	24.9	82.4

7355	A	21612M002	L	Urumqi	TROS	87	42	19.3	43	48	49.0	846.1
7356	A	21613M003	L	Lhasa	TROS	91	2	15.5	29	38	5.4	3601.5
7357	A	21601S005	L	Beijing	BEIJING-A	115	53	33.6	39	36	27.8	72.7
7358	A	21749S001	L	Tanegashim	GUTS	131	0	55.5	30	33	30.4	140.7
7359	A	23902S002	L	Daedeok	DAEK	127	22	28.9	36	23	56.5	116.6
7370	A	50186M001	L	BurnieTS	FTLRS	145	52	53.0	-41	-3	-44.0	129.6
7394	A	23907S002	L	Sejong	SEJL	127	18	10.5	36	31	15.6	176.4
7395	A	23910S001	L	Geochang	GEOL	127	55	12.4	35	35	24.7	934.1
7396	A	21602S008	L	Wuhan2	JFNL FIXED	114	29	24.7	30	30	59.5	77.4
7400	A	41705M001	L	Santiago	TLRS-1	289	19	52.9	-33	-8	-58.6	723.4
7401	A	41706M001	L	Cerro Tolo	TLRS-1	289	11	59.8	-30	-10	-20.8	2155.9
7403	A	42202M003	L	Arequipa	TLRS-3	288	30	25.3	-16	-27	-56.5	2489.5
7404	A	41705M004	L	Santiago	TLRS-2	289	19	53.5	-33	-8	-58.6	724.5
7405	A	41719M001	L	Concepcion	TIGO	286	58	28.8	-36	-50	-34.8	170.0
7406	A	41508S003	L	San Juan	BEIJING-A	291	22	36.6	-31	-30	-31.0	727.2
7407	A	48081S001	L	Brazilia	BRAL	312	08	04.9	-15	46	23.0	1028.8
7410	A	40104M003	L	Algonquin	TLRS-4	281	55	46.9	45	57	20.1	195.9
7411	A	40132M001	L	La Grande	TLRS-4	281	25	43.4	53	41	53.6	20.2
7501	A	30302M003	L	Hartebeest	MTLRS-1	27	41	10.2	-25	-53	-22.9	1407.5
7502	A	30314M001	L	Sutherland	MTLRS-1	20	48	8.9	-32	-22	-45.0	1730.0
7503	A	30301S010	L	HartRTL	HRTL	27	41	10.0	-25	-53	-21.1	1414.0
7505	A	11101M001	L	Sofia	MTLRS-1	23	23	41.0	42	33	20.4	1113.9
7510	A	12612M001	L	Askites	MTLRS-1	25	33	58.4	40	55	40.8	183.2
7512	A	12615M001	L	Katavia	MTLRS-1	27	46	50.8	35	57	5.4	74.6
7515	A	12602M002	L	Dionysos	MTLRS-1	23	55	56.8	38	4	42.9	511.2
7517	A	12613M001	L	Roumelli	TLRS-1	24	41	39.0	35	24	15.2	103.3
7520	A	12614M001	L	Karitsa	MTLRS-1	20	39	53.4	39	44	3.3	599.3
7525	A	12616M001	L	Xrisokelar	TLRS-1	21	52	39.4	36	47	29.2	476.8
7530	A	20702M001	L	Bar Giyyor	MOBLAS-2	35	5	18.7	31	43	20.6	773.7
7540	A	12734M005	L	Matera	MTLRS-1	16	42	16.1	40	38	54.7	529.3
7541	A	12734M004	L	Matera	TLRS-1	16	42	15.4	40	38	54.7	529.0
7542	A	12749M001	L	Monte Vend	MTLRS-2	11	41	34.9	45	19	18.6	524.0
7543	A	12717M001	L	Noto	TLRS-1	14	59	18.2	36	52	35.7	126.4
7544	A	12706M001	L	Lampedusa	MTLRS-1	12	34	2.8	35	31	3.9	112.6
7545	A	12725M002	L	Punta Sa M	TLRS-1	8	58	22.7	39	8	7.7	230.7
7546	A	12711M002	L	Medicina	TLRS-1	11	38	47.3	44	31	12.1	50.1
7548	A	12725S013	L	Cagliari	CAGLAS	8	58	19.3	39	8	11.9	252.8
7550	A	12718M002	L	Basovizza	MTLRS-2	13	52	32.0	45	38	34.6	447.9
7560	A	12302M001	L	Riga	MTLRS-1	24	3	30.9	56	56	54.4	30.0
7561	A	12337M001	L	Simeiz	MTLRS-1	33	59	29.7	44	24	55.2	387.1
7575	A	20801M001	L	Diyarbakir	MTLRS-1	40	11	41.6	37	55	12.8	725.5
7580	A	20803M001	L	Melengicli	TLRS-1	33	11	28.5	37	22	39.5	1358.3
7585	A	20802M001	L	Yozgat	MTLRS-1	34	48	46.8	39	48	1.9	1677.6
7587	A	20804M001	L	Yigilca	TLRS-1	31	26	19.6	40	56	13.1	823.3
7589	A	20805M001	L	Ankara	TLRS-1	32	45	30.8	39	53	15.0	974.5
7590	A	14005M002	L	Monte Gene	MTLRS-2	9	01	04.3	45	55	39.5	1663.4
7594	A	14201M200	L	Wettzell	TIGO	12	52	38.0	49	8	39.4	659.3
7596	A	14201M004	L	Wettzell	MTLRS-1	12	52	43.2	49	8	38.9	659.4
7597	A	14201M005	L	Wettzell	MTLRS-1	12	52	42.5	49	8	38.3	660.9
7599	A	14201M007	L	Wettzell	MTLRS-1	12	52	39.9	49	8	42.5	657.8
7602	A	10302M002	L	Tromso	MTLRS-2	18	56	21.9	69	39	46.7	133.7
7604	A	10004M002	L	Brest	FTLRS	355	29	46.2	48	24	28.2	104.8
7801	A	30101S001	L	Helwan	EGY1 FIXED	31	20	33.7	29	51	32.4	132.5
7805	A	10503S001	L	Metsahovi	FIN. FIXED	24	23	40.3	60	13	2.3	79.0
7806	A	10503S014	L	Metsahovi	METLAS	24	23	40.3	60	13	1.7	74.7
7810	A	14001S001	L	Zimmerwald	SWI. FIXED	7	27	54.7	46	52	38.0	951.7
7810	B	14001S007	L	Zimmerwald	SWI. FIXED	7	27	54.8	46	52	38.0	951.9
7811	A	12205S001	L	Borowiec	POL. FIXED	17	4	28.5	52	16	37.1	123.3
7819	A	21609S004	L	Kunming2	KUNMING2	102	47	50.7	25	1	47.8	1993.6
7820	A	21609S002	L	Kunming	KUNMING	102	47	50.7	25	1	47.8	1993.6
7821	A	21605S010	L	Shanghai	SO FIXED	121	11	11.8	31	5	45.9	100.9
7822	A	92201M017	L	Punaia	FTLRS	210	23	37.6	-17	-34	-36.5	95.1
7823	A	13402M005	L	San Fernan	FTLRS	353	47	40.8	36	27	54.9	98.6
7824	A	13402S004	L	San Fernan	SPN. FIXED	353	47	40.8	36	27	54.9	98.6
7824	B	13402S007	L	San Fernan	SPN. FIXED	353	47	40.9	36	27	54.9	98.8
7825	A	50119S003	L	Mount Stro	STR2 FIXED	149	0	35.5	-35	-18	-58.1	805.6
7826	A	50119S007	L	Mount Stro	STR3 FIXED	149	0	35.5	-35	-18	-58.1	805.6
7827	A	14201S045	L	Wettzell	SOSW	12	52	41.2	49	8	41.8	663.2
7829	A	10002S017	L	Grasse	FTLRS	6	55	14.9	43	45	16.8	1319.4
7830	A	12617M002	L	Chania	FTLRS	24	4	13.9	35	31	58.9	160.9
7831	A	30101S001	L	Helwan	EGY. FIXED	31	20	33.7	29	51	32.4	132.5
7832	A	20101S001	L	Riyadh	SALRO	46	24	1.3	24	54	37.9	760.8
7833	A	13504S001	L	Kootwijk	NL. FIXED	5	48	35.3	52	10	42.2	94.5
7834	A	14201S002	L	Wettzell	GER. FIXED	12	52	41.1	49	8	41.7	661.8
7835	A	10002S001	L	Grasse	FRA. FIXED	6	55	16.0	43	45	16.8	1323.5
7836	A	14106S009	L	Potsdam	GFZLAS	13	3	53.6	52	22	48.0	134.2
7837	A	21605S001	L	Shanghai	SO FIXED	121	11	30.2	31	5	51.1	28.5

7838	A	21726S001	L	Simosato	SHO FIXED	135	56	13.3	33	34	39.6	102.3
7839	A	11001S002	L	Graz	GRAZ FIXED	15	29	36.0	47	4	1.6	540.1
7840	A	13212S001	L	Herstmonce	RG0 FIXED	0	20	10.0	50	52	2.5	76.1
7841	A	14106S011	L	Potsdam	GFZLAS3	13	3	41.1	52	22	58.8	127.9
7843	A	50103S007	L	Orroral	NLRS	148	56	21.5	-35	-38	-10.5	1350.6
7844	A	21732S002	L	Chichi Jim	HTLRS-1	142	11	52.4	27	5	54.0	53.0
7845	A	10002S002	L	Grasse	GRASLLR	6	55	17.6	43	45	16.6	1324.0
7846	A	10002M004	L	Grasse	FTLRS	6	55	14.9	43	45	16.8	1319.4
7847	A	50107S009	L	Yarragadee	PSLR	115	20	48.5	-29	-2	-46.6	243.1
7848	A	10077M002	L	Ajaccio	FTLRS	8	45	45.6	41	55	38.5	97.5
7849	A	50119S001	L	Mount Stro	STR. FIXED	149	0	35.5	-35	-18	-58.1	804.7
7850	A	40442M008	L	Mcdonald	TLRS-4	255	59	5.6	30	40	49.7	2004.9
7853	A	40439M004	L	Owens Vall	MTLRS-1	241	42	22.3	37	13	57.3	1178.7
7865	A	49654M001	L	NRL OTF	NRL OTF	282	37	44.0	38	29	57.1	24.6
7882	A	40505M001	L	Cabo San L	TLRS-1	250	8	8.0	22	55	3.1	112.3
7883	A	40506M001	L	Ensenada	TLRS-4	243	50	21.3	31	15	23.9	165.6
7884	A	40429S001	L	Albuquerque	STARFIRE	253	32	9.9	34	57	51.2	1876.1
7885	A	40442M005	L	Mcdonald	TLRS-1	255	59	2.6	30	40	37.3	1962.0
7886	A	40433M005	L	Quincy	TLRS-1	239	3	18.7	39	58	30.0	1107.3
7887	A	40420M004	L	Vandenberg	TLRS-1	239	29	58.0	34	33	58.4	601.6
7888	A	40434M002	L	Mount Hopk	TLRS-1	249	7	18.6	31	41	6.4	2330.8
7889	A	40451M118	L	Greenbelt	TLRS-2	283	10	21.1	39	1	15.2	19.2
7890	A	40412M001	L	Austin	TLRS-1	262	08	01.5	30	18	46.8	244.6
7891	A	40491M002	L	Flagstaff	TLRS-1	248	21	55.7	35	12	52.3	2145.1
7892	A	40492M001	L	Vernal	TLRS-1	250	25	45.0	40	19	36.6	1589.8
7894	A	40493M001	L	Yuma	TLRS-1	245	47	48.7	32	56	20.8	237.6
7895	A	---	L	Mount Wils	TLRS-1	283	10	19.7	39	1	14.5	21.9
7896	A	40400M001	L	Pasadena	TLRS-1	241	49	39.7	34	12	19.9	442.9
7897	A	40442M010	L	Mcdonald	TLRS-1	255	59	5.6	30	40	49.7	2004.9
7899	A	40451M111	L	Greenbelt	TLRS-1	283	10	48.1	39	1	15.3	10.2
7902	A	30304S001	L	Olifantsfo	SAO-3	27	41	10.2	-25	-53	-22.9	1407.5
7907	A	42202S001	L	Arequipa	SAO-2	288	30	24.7	-16	-27	-56.6	2492.9
7917	A	40451M119	L	Greenbelt	SAO-3	283	10	18.9	39	1	17.7	25.7
7918	A	40451M120	L	Greenbelt	MOBLAS-6	283	10	19.7	39	1	14.5	19.4
7919	A	40451M121	L	Greenbelt	TLRS-4	283	10	19.7	39	1	14.5	21.9
7920	A	40451M117	L	Greenbelt	TLRS-1	283	10	21.0	39	1	12.9	19.3
7921	A	40434S001	L	Mount Hopk	SAO-4	249	7	18.9	31	41	3.2	2358.2
7929	A	41604S001	L	Natal	SAO-1	324	50	7.3	-5	-55	-40.1	42.6
7935	A	21705S001	L	Dodair	DDR FIXED	139	11	30.6	36	0	20.7	903.2
7939	A	12734S001	L	Matera	SAO-1	16	42	16.8	40	38	55.7	536.5
7940	A	12602S001	L	Dionysos	GRE. FIXED	23	55	57.9	38	4	42.3	511.9
7941	A	12734S008	L	Matera	MLRO	16	42	16.5	40	38	55.2	537.6
7943	A	50103S003	L	Orroral	SAO-3	148	57	17.2	-35	-37	-29.7	950.3
7944	A	---	L	Tidbinbill	SALRO	148	57	17.3	-35	37	29.7	689.0
7999	A	---	L	Mcdonald	TLRS-1	255	59	5.6	30	40	49.7	2004.9
8833	A	13504M002	L	Kootwijk	MTLRS-1	5	48	36.6	52	10	41.4	89.2
8834	A	14201S018	L	Wettzell	WLRS	12	52	40.8	49	8	39.9	666.0

-SITE/ID

+SOLUTION/DATA_HANDLING

** SECTION WITH MANDATORY CORRECTIONS

* list of data to be deleted

1863	---	A	00:000:00000	94:001:00000	X	
1864	---	A	02:070:00000	02:101:00000	X	
1873	---	A	00:000:00000	95:001:00000	X	
1873	---	A	09:244:00000	12:001:00000	X	ILRS/AWG 13/11/29
1873	---	A	11:182:00000	12:153:00000	X	increasing time bias
1873	---	A	13:056:00000	13:064:00000	X	big range bias
1884	---	A	00:000:00000	94:212:00000	X	
1893	---	A	00:000:00000	98:001:00000	X	
7090	---	A	02:200:43200	02:201:00000	X	time bias, source VH 191029
7090	---	A	03:102:28800	03:105:00000	X	range bias, source VH 191029
7090	---	A	09:333:00000	09:337:05400	X	time bias, source VH 191029
7090	---	A	09:338:63000	09:339:10800	X	time bias, source VH 191029
7090	---	A	09:341:37680	09:342:45240	X	time bias, source VH 191029
7090	---	A	17:152:29160	17:152:68100	X	Incorrect Met data
7105	---	A	99:119:18000	99:123:52620	X	
7105	---	A	06:336:18000	06:342:10800	X	Time unit fail
7105	---	A	15:313:00000	15:321:64800	X	Time counter problems
7110	---	A	00:079:00000	00:080:00000	X	large range bias, source VH 191219
7110	---	A	12:054:16200	12:081:00000	X	New TIU, Freq Bias, source VH 191219
7110	---	A	12:183:00000	12:216:61200	X	large biases, source VH 190930
7110	---	A	13:164:00000	13:173:00000	X	large time bias, source VH 190930

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7110 --- A 13:178:54000 13:183:00000 X ~3msec time bias, source VH 191219
7112 --- A 00:000:00000 85:001:00000 X
7119 --- A 10:182:00000 10:240:82800 X uncorrected range bias, VH 191219
7119 --- A 12:030:70800 12:031:00900 X Wrong Pressure Reading
7119 --- A 13:065:16691 13:065:24826 X wrong meteo data (default used)
7119 L55 A 13:068:66759 13:068:67003 X wrong meteo data (default used)
7119 --- A 13:239:09673 13:239:13199 X wrong meteo data (default used)
7119 --- A 13:274:11719 13:274:13270 X wrong meteo data (default used)
7119 --- A 13:337:83551 13:338:03158 X wrong meteo data (default used)
7119 --- A 13:345:13361 13:345:22187 X wrong meteo data (default used)
7119 --- A 14:180:82522 14:180:82573 X high RMS LAG1 pass, source VH 191219
7123 --- A 88:238:00000 88:248:00000 X 3m range bias
7123 --- A 93:132:00000 93:132:86400 X > 500m range bias
7236 --- A 98:001:00000 00:000:00000 X
7237 --- A 00:000:00000 96:001:00000 X
7249 --- A 00:000:00000 99:001:00000 X
7249 --- A 99:011:64898 99:215:00000 X
7249 --- A 12:001:00000 12:066:00000 X at 100's level unrecov. biases
7355 --- A 00:000:00000 03:001:00000 X bias problems after system upgrade
7355 --- A 04:001:00000 00:000:00000 X
7403 --- A 01:175:73994 01:266:00000 X Earth quake
7403 --- A 11:293:00000 11:365:00000 X data problems
7403 --- A 16:175:26160 16:176:39600 X large biases, source VH 191219
7406 --- A 12:287:00000 12:307:00000 X big range bias > 2.5 m
7501 --- A 01:013:64800 01:014:25200 X ~11 msec time bias, source VH 191219
7501 --- A 07:083:72000 07:086:10800 X ~29 msec time bias, source VH 191219
7510 --- A 92:175:00000 92:274:00000 X
7548 --- A 92:180:00000 00:195:00000 X
7585 --- A 92:175:00000 92:274:00000 X
7810 --- B 96:353:00000 97:363:00000 X Blue only
7810 --- B 15:184:00000 15:187:28800 X unsolved time bias
7811 --- A 00:000:00000 93:201:00000 X
7820 --- A 00:000:00000 00:293:00000 X
7824 --- A 00:000:00000 96:001:00000 X
7824 --- B 99:181:81828 99:186:02301 X
7824 --- B 15:168:75600 15:169:14400 X
7831 --- A 00:000:00000 84:001:00000 X
7831 --- A 99:006:00000 99:075:00000 X
7831 L51 A 99:331:79421 99:338:83087 X
7832 --- A 00:000:00000 98:001:00000 X
7835 --- A 00:000:00000 88:275:00000 X
7837 --- A 00:000:00000 90:001:00000 X
7841 --- A 00:000:00000 04:050:00000 X
7941 --- A 11:267:64800 11:268:28800 X
8834 --- A 09:046:00000 10:319:00000 X timing/data problems
                                         ILRS/AWG 13/11/29
*CODE PT_ UNIT T _DATA_START_ _DATA_END__ M __E-VALUE__ STD_DEV __COMMENTS_____
*-----
* list of sites with mandatory arc dependent biases to be estimated
*-----
1864 --- mm A 00:000:00000 00:000:00000 E
1868 --- mm A 00:000:00000 00:000:00000 E
1953 --- mm A 00:000:00000 00:000:00000 E
7080 --- mm A 16:106:00000 20:000:00000 E small remaining range bias
7105 --- mm A 11:066:39960 11:081:00000 E ~ -4.0 ETU at start, not clear when back to TIU, TV/ECP 191219
7548 --- mm A 00:000:00000 00:000:00000 E
7308 --- mm A 00:000:00000 00:000:00000 E
7810 --- mm B 00:000:00000 00:000:00000 E Infrared only
7845 --- mm A 00:000:00000 08:001:00000 E
7403 --- mm A 10:265:00000 00:000:00000 E small remaining range bias
8834 --- mm A 10:319:00000 00:000:00000 E small remaining range bias
7819 --- mm A 17:001:00000 00:000:00000 E new station
7820 --- mm A 12:001:00000 15:000:00000 E unknown range bias
7821 --- mm A 09:148:00000 10:069:00000 E unknown range bias
7249 --- mm A 12:067:00000 00:000:00000 E small remaining range bias
7394 --- mm A 15:218:00000 00:000:00000 E new station
7395 --- mm A 17:223:00000 00:000:00000 E new station
7396 --- mm A 19:166:00000 00:000:00000 E new station
7503 --- mm A 16:351:00000 00:000:00000 E new station
7865 --- mm A 20:072:00000 00:000:00000 E new station
7124 --- mm A 18:105:00000 19:151:86400 E unclear bias jump due to ETM/HP5370B switch? VH 191219

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* list of new sites with preliminary coordinates (not included in current ITRF)

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* list of mandatory systematic errors to be applied on observation

* with updates from ILRS/AWG reprocessing results


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*-----
1873 --- mm A 95:001:00000 00:001:00000 R -270.00
7080 --- mm A 88:001:00000 89:349:00000 R -40.00
7080 --- mm A 90:094:00000 93:168:00000 R 25.00 IRLS/AWG 14/04/04
7080 --- mB A 95:065:00000 96:026:00000 P -2.10 source CDDIS
7080 --- mB A 96:026:00000 96:116:00000 P -10.30 source CDDIS
7080 --- mB A 96:116:00000 96:130:00000 P -9.70 source CDDIS
7090 --- mm A 01:353:43920 01:353:46800 R -290381.00 source VH 191219
7090 --- mm A 03:196:78720 03:196:79440 R -8534.00 source VH 191219
7090 --- mm A 03:220:77580 03:220:78480 R -8531.00 source VH 191219
7090 --- mm A 03:229:74400 03:229:75600 R -8531.00 source VH 191219
7090 --- mm A 04:033:75720 04:033:76800 R -8518.00 source VH 191219
7090 --- mm A 04:048:73080 04:048:73740 R -8521.00 source VH 191219
7090 --- mm A 06:184:72480 06:184:75600 R 8523.00 source VH 191219
7090 --- mm A 07:026:65340 07:026:65880 R -8520.00 source VH 191219
7090 --- mm A 07:050:73380 07:050:73800 R 8525.00 source VH 191219
7090 --- mm A 07:275:44400 07:275:44760 R -8518.00 source VH 191219
7090 --- mm A 08:244:65220 08:244:65760 R -8524.00 source VH 191219
7090 --- ms A 09:344:31560 09:345:70200 T 0.90920 source VH 191219
7090 --- mm A 10:118:64320 10:118:64800 R -2779.00 source VH 191219
7090 --- mm A 10:118:69000 10:118:72000 R -2779.00 source VH 191219
7090 --- mm A 10:148:27000 10:148:27540 R -8523.00 source VH 191219
7090 --- mm A 10:297:78600 10:297:79500 R 8533.00 source VH 191219
7090 --- mm A 13:025:59040 13:025:59460 R -8493.00 source VH 191219
7090 --- mm A 13:287:59880 13:287:63000 R 8515.00 source VH 191219
7090 --- mm A 19:267:62220 19:267:62400 R 8806.00 source VH 191219
7105 --- mm A 00:006:24900 00:006:28800 R -9197.00 source VH 191219
7105 --- mm A 00:007:19320 00:007:21600 R -9208.00 source VH 191219
7105 --- mm A 02:092:01800 02:092:14000 R -9199.00 source VH 191219
7105 --- mm A 03:308:80940 03:308:81660 R -9224.00 source VH 191219
7105 --- mm A 08:142:22260 08:142:23400 R 9265.00 source VH 191219
7105 --- mm A 08:150:21180 08:150:21900 R 9265.00 source VH 191219
7105 --- mm A 08:150:22140 08:150:22740 R 9265.00 source VH 191219
7105 --- mm A 08:150:23820 08:150:24600 R 9265.00 source VH 191219
7105 --- mm A 09:131:03600 09:131:05040 R 9125.00 source VH 191219
7105 --- mm A 10:076:35160 10:076:36240 R -4837.00 source VH 191219
7105 --- mm A 10:076:36780 10:076:37440 R -4837.00 source VH 191219
7105 --- mm A 11:047:00058 11:053:25078 R -4.05 srcTV/ECP 191219
7105 --- mm A 11:136:44219 11:140:37080 R -4.05 srcTV/ECP 191219
7105 --- mm A 11:153:07798 12:068:22799 R -4.05 srcTV/ECP 191219
7105 --- mm A 11:211:04860 11:211:06480 R 9094.00 source VH 191219
7105 --- mm A 11:222:11880 11:222:12300 R 9098.00 source VH 191219
7105 --- mm A 12:006:04560 12:006:05400 R 9098.00 source VH 191219
7105 --- mm A 12:006:84120 12:007:02400 R 9098.00 source VH 191219
7105 --- mm A 12:016:17160 12:016:19500 R -9107.00 source VH 191219
7105 --- ms A 12:296:55000 12:297:02400 T 7.0470 source VH 191018
7105 --- mm A 13:035:39060 13:035:40080 R 9098.00 source VH 191219
7105 --- mm A 13:115:14756 14:125:46800 R -4.05 srcTV/ECP 191219
7105 --- mm A 14:161:46800 14:166:05638 R -4.05 srcTV/ECP 191219
7105 --- mm A 14:166:09900 14:184:46800 R -4.05 srcTV/ECP 191219
7105 --- mm A 14:254:17759 15:194:76320 R -4.05 srcTV/ECP 191219
7105 --- mm A 15:321:48719 16:208:61200 R -4.05 srcTV/ECP 191219
7105 --- mB A 19:074:79380 19:074:79800 P 5.20 frozen pressure
7105 --- mB A 19:074:79800 19:074:81000 P 4.90 frozen pressure
7105 --- mB A 19:074:81000 19:074:82740 P 4.70 frozen pressure
7105 --- mB A 19:074:82740 19:074:85320 P 4.60 frozen pressure
7105 --- mB A 19:074:85320 19:074:86160 P 4.20 frozen pressure
7105 --- mB A 19:077:09240 19:077:12300 P -13.10 frozen pressure
7105 --- mB A 19:077:12300 19:077:13020 P -13.40 frozen pressure
7105 --- mB A 19:077:13020 19:077:13380 P -13.60 frozen pressure
7105 --- mB A 19:077:13380 19:077:13980 P -13.70 frozen pressure
7105 --- mB A 19:077:19500 19:077:19920 P -13.30 frozen pressure
7105 --- mB A 19:077:19920 19:077:22800 P -13.20 frozen pressure
7105 --- mB A 19:077:22800 19:077:27240 P -13.00 frozen pressure
7105 --- mB A 19:077:27240 19:077:31620 P -12.75 frozen pressure
7109 --- mm A 00:000:00000 88:347:00000 R 10.00 IRLS/AWG 09/05/06
7109 --- mm A 97:009:00000 97:018:00000 R 164.90 source CDDIS
7110 --- mm A 84:001:00000 84:136:00000 R 30.00
7110 --- mm A 87:300:00000 88:025:00000 R 30.00
7110 --- mm A 96:240:00000 96:277:00000 R 163.60 source CDDIS
7110 --- mm A 03:143:00000 03:191:46800 R -3.00 source VH 191219
7110 --- ms A 10:173:00000 10:208:27000 T 0.00640 source VH 191219
7110 --- ms A 11:115:00000 11:316:00000 T 0.00780 source VH 191219
7110 --- ms A 13:164:00000 13:173:00000 T 0.89990 source VH 191219
7110 --- mm A 18:137:00000 30:000:00000 R 5.70 source VH 191219
7119 --- mm A 06:250:00000 13:224:43000 R 2.00 source VH 191219
7119 --- mm A 13:224:43000 15:060:00000 R 6.70 source VH 191219

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7119	---	mm	A	15:060:00000	30:000:00000	R	10.70	source VH 191219
7122	---	mm	A	84:122:00000	87:074:00000	R	30.00	
7123	---	mm	A	87:195:00000	87:282:00000	R	-30.00	source CDDIS
7124	---	mm	A	04:126:00000	04:176:00000	R	163.20	source VH 191219
7124	---	mm	A	16:271:27420	16:271:30300	R	-9066.00	source VH 191219
7124	---	mm	A	16:280:41370	16:280:43000	R	-9057.00	source VH 191219
7124	---	ms	A	19:295:00000	19:324:00000	T	-1.00	source VH 191219
7210	---	mm	A	83:001:00000	87:255:00000	R	25.00	
7210	---	mm	A	87:255:00000	94:021:00000	R	-37.00	
7210	---	mm	A	94:021:00000	00:001:00000	R	-11.00	
7237	---	mm	A	96:001:00000	98:001:00000	R	20.000	
7237	---	mm	A	98:001:00000	02:171:00000	R	-20.000	
7237	---	ms	A	17:038:04000	17:038:60600	U	+1.0000	Event Timer offset (cor. time=np time - cord.)
7237	---	ms	A	17:037:43200	17:037:86400	U	+1.0000	Event Timer offset (cor. time=np time - cord.)
7249	---	mm	A	01:020:00000	12:001:00000	R	20.000	
7403	---	mm	A	97:001:00000	02:365:86399	R	1.60	source VH 191219
7403	---	mm	A	06:244:00000	10:256:00000	R	4.2	source VH 191105
7403	---	mm	A	06:266:00000	07:340:39599	R	5.20	source VH 191219
7403	---	mm	A	07:340:39600	10:255:86399	R	6.20	source VH 191219
7403	---	mm	A	10:256:00000	13:012:86399	R	9.70	source VH 191219
7403	---	mm	A	13:012:00000	00:000:00000	R	14.50	source VH 191219
7501	---	ms	A	00:183:00000	04:279:86399	T	-0.00605	source VH 191219
7501	---	ms	A	04:280:00000	06:059:86399	T	-0.00615	source VH 191219
7501	---	ms	A	06:060:00000	08:182:86399	T	-0.00595	source VH 191219
7501	---	mm	A	12:071:00000	12:073:64080	R	-66.00	source VH 191219
7501	---	mm	A	12:074:21600	12:074:79200	R	-66.00	source VH 191219
7501	---	mm	A	12:077:57600	12:079:08400	R	-66.00	source VH 191219
7501	---	mm	A	12:079:36000	12:080:05400	R	-66.00	source VH 191219
7501	---	mm	A	12:080:14400	12:089:75600	R	-66.00	source VH 191219
7501	---	mm	A	12:090:43000	12:092:07800	R	-66.00	source VH 191219
7501	---	mm	A	12:092:64800	12:094:28800	R	-66.00	source VH 191219
7501	---	mm	A	14:157:24720	14:157:30060	R	-199806.00	source VH 190920
7501	---	mm	A	14:322:55560	14:322:65400	R	-199815.00	source VH 190920
7512	---	mm	A	92:061:00000	92:153:00000	R	-30.00	
7517	---	mm	A	92:153:00000	92:245:00000	R	-80.00	ILRS/AWG 13/11/29
7525	---	mm	A	92:061:00000	92:183:00000	R	11.00	source CDDIS
7544	---	mm	A	92:245:00000	93:001:00000	R	-60.00	ILRS/AWG 13/11/29
7545	---	mm	A	93:274:00000	94:091:00000	R	15.00	
7580	---	mm	A	92:306:00000	93:032:00000	R	68.00	
7587	---	mm	A	92:214:00000	92:306:00000	R	30.00	
7810	---	mm	A	88:145:00000	89:273:00000	R	50.00	
7810	---	mm	B	98:001:00000	02:149:00000	R	-26.00	
7810	---	mm	B	02:149:00000	03:070:00000	R	-15.00	ILRS/AWG 09/05/06
7810	---	mm	B	03:070:00000	04:363:00000	R	-22.00	ILRS/AWG 09/05/06
7810	---	mm	B	04:363:00000	06:037:00000	R	-26.00	
7811	---	mB	A	00:000:00000	98:182:00000	P	3.40	.2
7811	---	mm	A	93:201:00000	02:126:00000	R	-30.00	ILRS/AWG 13/11/29
7820	---	mm	A	00:293:00000	12:001:00000	R	-20.00	
7831	---	ms	A	87:001:00000	90:182:00000	T	0.0850	source CDDIS
7834	---	mm	A	85:070:00000	86:199:00000	R	-30.00	
7835	---	mm	A	91:244:00000	97:252:00000	R	25.00	
7836	---	mm	A	94:001:00000	94:286:00000	R	18.45	ILRS/AWG 09/01/18
7839	---	mm	A	83:001:00000	96:272:00000	R	-22.00	
7840	---	mm	A	83:244:00000	84:136:00000	R	40.00	ILRS/AWG 09/01/18
7840	---	mm	A	84:136:00000	85:001:00000	R	20.00	ILRS/AWG 09/01/18
7840	---	mm	A	85:001:00000	88:254:00000	R	-10.00	ILRS/AWG 13/11/29
7840	---	mm	A	88:254:00000	88:269:00000	R	32.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:269:00000	88:284:00000	R	31.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:284:00000	88:299:00000	R	31.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:299:00000	88:314:00000	R	31.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:314:00000	88:329:00000	R	30.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:329:00000	88:344:00000	R	30.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:344:00000	88:359:00000	R	29.00	ILRS/AWG 09/01/18
7840	---	mm	A	88:359:00000	89:008:00000	R	29.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:008:00000	89:023:00000	R	29.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:023:00000	89:038:00000	R	28.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:038:00000	89:053:00000	R	28.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:053:00000	89:068:00000	R	28.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:068:00000	89:083:00000	R	27.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:083:00000	89:098:00000	R	27.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:098:00000	89:113:00000	R	26.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:113:00000	89:128:00000	R	26.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:128:00000	89:143:00000	R	26.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:143:00000	89:158:00000	R	25.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:158:00000	89:173:00000	R	25.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:173:00000	89:188:00000	R	25.00	ILRS/AWG 09/01/18
7840	---	mm	A	89:188:00000	89:203:00000	R	24.00	ILRS/AWG 09/01/18

7840	---	mm	A	89:203:00000	89:218:00000	R	24.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:218:00000	89:233:00000	R	23.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:233:00000	89:248:00000	R	23.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:248:00000	89:263:00000	R	23.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:263:00000	89:278:00000	R	22.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:278:00000	89:293:00000	R	22.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:293:00000	89:308:00000	R	22.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:308:00000	89:323:00000	R	21.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:323:00000	89:338:00000	R	21.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:338:00000	89:353:00000	R	20.00	ILRS/AWG	09/01/18
7840	---	mm	A	89:353:00000	90:003:00000	R	20.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:003:00000	90:018:00000	R	20.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:018:00000	90:033:00000	R	19.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:033:00000	90:048:00000	R	19.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:048:00000	90:063:00000	R	19.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:063:00000	90:078:00000	R	18.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:078:00000	90:093:00000	R	18.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:093:00000	90:108:00000	R	17.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:108:00000	90:123:00000	R	17.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:123:00000	90:138:00000	R	17.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:138:00000	90:153:00000	R	16.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:153:00000	90:168:00000	R	16.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:168:00000	90:183:00000	R	16.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:183:00000	90:198:00000	R	15.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:198:00000	90:213:00000	R	15.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:213:00000	90:228:00000	R	14.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:228:00000	90:243:00000	R	14.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:243:00000	90:258:00000	R	14.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:258:00000	90:273:00000	R	13.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:273:00000	90:288:00000	R	13.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:288:00000	90:303:00000	R	13.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:303:00000	90:318:00000	R	12.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:318:00000	90:333:00000	R	12.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:333:00000	90:348:00000	R	11.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:348:00000	90:363:00000	R	11.00	ILRS/AWG	09/01/18
7840	---	mm	A	90:363:00000	91:013:00000	R	11.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:013:00000	91:028:00000	R	10.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:028:00000	91:043:00000	R	10.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:043:00000	91:058:00000	R	10.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:058:00000	91:073:00000	R	9.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:073:00000	91:088:00000	R	9.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:088:00000	91:103:00000	R	8.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:103:00000	91:118:00000	R	8.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:118:00000	91:133:00000	R	8.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:133:00000	91:148:00000	R	7.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:148:00000	91:163:00000	R	7.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:163:00000	91:178:00000	R	7.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:178:00000	91:193:00000	R	6.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:193:00000	91:208:00000	R	6.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:208:00000	91:223:00000	R	5.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:223:00000	91:238:00000	R	5.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:238:00000	91:253:00000	R	5.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:253:00000	91:268:00000	R	4.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:268:00000	91:283:00000	R	4.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:283:00000	91:298:00000	R	4.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:298:00000	91:313:00000	R	3.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:313:00000	91:328:00000	R	3.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:328:00000	91:343:00000	R	2.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:343:00000	91:358:00000	R	2.00	ILRS/AWG	09/01/18
7840	---	mm	A	91:358:00000	92:008:00000	R	2.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:008:00000	92:023:00000	R	1.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:023:00000	92:038:00000	R	1.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:038:00000	92:053:00000	R	1.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:053:00000	92:068:00000	R	0.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:068:00000	92:083:00000	R	-0.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:083:00000	92:098:00000	R	-1.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:098:00000	92:113:00000	R	-1.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:113:00000	92:128:00000	R	-1.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:128:00000	92:143:00000	R	-2.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:143:00000	92:158:00000	R	-2.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:158:00000	92:173:00000	R	-2.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:173:00000	92:188:00000	R	-3.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:188:00000	92:203:00000	R	-3.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:203:00000	92:218:00000	R	-4.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:218:00000	92:233:00000	R	-4.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:233:00000	92:248:00000	R	-4.00	ILRS/AWG	09/01/18
7840	---	mm	A	92:248:00000	92:263:00000	R	-5.00	ILRS/AWG	09/01/18

7840	---	mm	A	92:263:00000	92:278:00000	R	-5.00		ILRS/AWG	09/01/18
7840	---	mm	A	92:278:00000	92:293:00000	R	-5.00		ILRS/AWG	09/01/18
7840	---	mm	A	92:293:00000	92:308:00000	R	-6.00		ILRS/AWG	09/01/18
7840	---	mm	A	92:308:00000	92:323:00000	R	-6.00		ILRS/AWG	09/01/18
7840	---	mm	A	92:323:00000	92:338:00000	R	-6.00		ILRS/AWG	09/01/18
7840	---	mm	A	92:338:00000	92:353:00000	R	-7.00		ILRS/AWG	09/01/18
7840	---	mm	A	92:353:00000	93:002:00000	R	-7.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:002:00000	93:017:00000	R	-8.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:017:00000	93:032:00000	R	-8.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:032:00000	93:047:00000	R	-8.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:047:00000	93:062:00000	R	-9.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:062:00000	93:077:00000	R	-9.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:077:00000	93:092:00000	R	-9.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:092:00000	93:107:00000	R	-10.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:107:00000	93:122:00000	R	-10.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:122:00000	93:137:00000	R	-11.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:137:00000	93:152:00000	R	-11.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:152:00000	93:167:00000	R	-11.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:167:00000	93:182:00000	R	-12.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:182:00000	93:197:00000	R	-12.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:197:00000	93:212:00000	R	-12.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:212:00000	93:227:00000	R	-13.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:227:00000	93:242:00000	R	-13.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:242:00000	93:257:00000	R	-14.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:257:00000	93:272:00000	R	-14.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:272:00000	93:287:00000	R	-14.00		ILRS/AWG	09/01/18
7840	---	mm	A	93:287:00000	93:302:00000	R	-15.00		ILRS/AWG	09/01/18
7840	---	mm	A	94:013:00000	99:210:00000	R	-9.00		ILRS/AWG	09/05/06
7840	---	mm	A	99:210:00000	02:032:00000	R	-13.00		ILRS/AWG	09/05/06
7840	---	mm	A	02:032:00000	07:042:00000	R	-9.00		ILRS/AWG	09/05/06
8834	---	mm	A	90:001:00000	92:306:00000	R	-35.00		source	CDDIS
8834	---	mm	A	92:306:00000	96:106:00000	R	40.00			
8834	---	mm	A	96:106:00000	00:287:00000	R	5.00			
7941	---	mm	A	07:047:00000	07:053:00000	R	-14.00	0.00	engineering	bias
7941	---	mm	A	07:053:00000	07:187:39600	R	-28.00	2.00	engineering	bias
7941	---	mm	A	07:187:39600	07:241:28800	R	-22.00	2.00	engineering	bias
7941	---	mm	A	07:241:28800	07:295:50400	R	-25.00	3.00	engineering	bias
7941	---	ms	A	10:221:61200	10:223:43200	U	100.00		uncorrected	time bias

*-----
 * T2L2 Tb and Tb-dot DATA RECORDS
 * which are significant for LARES and higher orbits (range equivalent >10 mm)
 *
 * IMPORTANT: These Tb and Tb-dot values are in MICROSEC and MICROSEC/day
 *-----

*CODE	PT_	UNIT	T	_DATA_START_	__DATA_END__	M	__E-VALUE__	STD_DEV	_E-RATE__	_CMNTS_
1824	---	us	A	10:126:00000	10:127:00000	T	-17.750	1.000	0.0000	-----
1824	---	us	A	10:132:00000	10:133:00000	T	-5.750	1.000	0.0000	-----
1824	---	us	A	12:084:68460	12:085:00000	T	-24.400	5.000	0.0000	-----
1873	---	us	A	09:059:00000	09:110:00000	T	-21.750	50.000	-0.2600	c.drift
1873	---	us	A	09:111:00000	09:160:00000	T	-3.300	50.000	-0.1000	c.drift
1873	---	us	A	09:324:00000	10:095:00000	T	2.000	50.000	0.0750	c.drift
1873	---	us	A	10:096:00000	10:159:00000	T	6.150	50.000	0.4000	c.drift
1873	---	us	A	10:201:00000	10:224:00000	T	906.000	50.000	0.4500	c.drift
1873	---	us	A	10:225:00000	10:280:00000	T	11.600	50.000	0.5800	c.drift
1873	---	us	A	10:306:00000	10:325:00000	T	-50.000	50.000	-5.0000	c.drift
1873	---	us	A	10:350:00000	11:064:00000	T	-380.000	50.000	-9.0000	c.drift
1873	---	us	A	11:101:00000	11:112:00000	T	-3400.000	50.000	-60.0000	c.drift
1873	---	us	A	11:113:00000	11:136:00000	T	-3000.000	50.000	-135.0000	c.drift
1873	---	us	A	11:137:00000	11:150:00000	T	-600.000	50.000	-75.0000	c.drift
1873	---	us	A	11:192:00000	11:214:00000	T	-1000.000	50.000	-75.0000	c.drift
1873	---	us	A	11:218:00000	11:276:00000	T	-2100.000	50.000	-75.0000	c.drift
1873	---	us	A	11:329:00000	11:346:00000	T	-800.000	50.000	-75.0000	c.drift
1873	---	us	A	12:108:00000	12:132:00000	T	-1370.000	50.000	-75.0000	c.drift
1873	---	us	A	12:262:00000	12:325:00000	T	-12.000	50.000	-0.1700	c.drift
1893	---	us	A	10:142:00000	10:143:00000	T	-3.465	0.030	0.0000	-----
7090	---	us	A	11:363:00000	12:011:00000	T	0.775	0.035	0.0180	c.drift
7105	---	us	A	11:111:00000	11:113:00000	T	-2.150	0.025	0.0000	-----
7110	---	us	A	12:164:00000	12:168:00000	T	36.325	0.050	0.0000	-----
7237	---	us	A	10:022:00000	10:121:00000	T	-3.100	0.030	0.0000	-----
7237	---	us	A	10:121:00000	10:174:00000	T	-2.830	0.030	0.0075	c.drift
7237	---	us	A	10:174:00000	10:219:00000	T	-2.500	0.030	0.0000	-----
7237	---	us	A	10:219:00000	11:087:00000	T	-2.850	0.030	-0.0030	c.drift
7501	---	us	A	08:183:00000	08:254:00000	T	-5.700	0.040	0.0000	-----
7501	---	us	A	08:257:00000	09:184:00000	T	-6.000	0.040	0.0000	-----
7501	---	us	A	09:184:00000	10:019:00000	T	-6.070	0.040	0.0000	-----
7501	---	us	A	10:019:00000	10:231:00000	T	-6.000	0.040	0.0000	-----

7501	---	us	A	10:231:00000	10:348:00000	T	-5.840	0.040	0.0000	-----
7501	---	us	A	10:348:00000	11:313:00000	T	-5.400	0.050	0.0000	-----
7501	---	us	A	11:313:00000	12:203:00000	T	-5.850	0.050	0.0000	-----
7501	---	us	A	12:203:00000	12:301:00000	T	-6.000	0.040	0.0000	-----
7501	---	us	A	12:301:00000	13:001:00000	T	-4.150	0.040	0.0000	-----
7838	---	us	A	09:131:00000	10:008:00000	T	11.000	5.000	0.0000	-----
7838	---	us	A	10:008:00000	10:009:00000	T	5.000	0.400	0.0000	-----
7845	---	us	A	10:291:00000	10:298:00000	T	2.000	0.030	0.0280	c.drift
7845	---	us	A	10:298:00000	10:305:00000	T	2.200	0.030	0.0280	c.drift
7845	---	us	A	10:305:00000	10:312:00000	T	2.400	0.030	0.0280	c.drift
7845	---	us	A	10:312:00000	10:319:00000	T	2.600	0.030	0.0280	c.drift
7845	---	us	A	10:319:00000	10:326:00000	T	2.850	0.030	0.0280	c.drift
7845	---	us	A	10:326:00000	10:333:00000	T	3.100	0.030	0.0280	c.drift
7845	---	us	A	10:333:00000	10:340:00000	T	3.435	0.030	0.0320	c.drift
7845	---	us	A	10:340:00000	10:356:00000	T	3.800	0.030	0.0320	c.drift
7845	---	us	A	11:172:00000	11:180:00000	T	2.020	0.030	0.0300	c.drift
7845	---	us	A	11:180:00000	11:187:00000	T	2.250	0.030	0.0300	c.drift
7845	---	us	A	11:187:00000	11:194:00000	T	2.450	0.030	0.0300	c.drift
7845	---	us	A	11:194:00000	11:201:00000	T	2.650	0.030	0.0300	c.drift
7941	---	us	A	11:212:72060	11:212:82800	T	13.550	0.050	0.0000	-----
7941	---	us	A	11:216:68460	11:217:21600	T	13.000	0.050	0.0000	-----
1873	---	us	A	13:172:00000	13:196:00000	T	3.630	30.000	0.0000	-----
1873	---	us	A	15:001:00000	15:135:00000	T	-3.000	12.000	0.0000	-----
1873	---	us	A	15:135:00000	15:196:00000	T	-12.000	5.000	0.0000	-----
1873	---	us	A	15:196:00000	15:197:00000	T	-121.000	2.000	0.0000	-----
1873	---	us	A	15:197:00000	15:242:00000	T	-11.800	5.000	0.0000	-----
1873	---	us	A	15:242:00000	16:033:00000	T	-8.000	5.000	0.0000	-----
1873	---	us	A	16:033:00000	16:122:00000	T	-11.000	5.000	0.0000	-----
1889	---	us	A	16:327:55560	16:327:63480	T	10.100	0.100	0.0000	-----
7105	---	us	A	15:194:57000	15:199:00000	T	14.450	0.100	0.0000	-----
7105	---	us	A	15:199:00000	15:206:07200	T	14.600	0.100	0.0000	-----
7124	---	us	A	15:264:00000	16:021:00000	T	8.260	0.030	0.0000	-----
7124	---	us	A	16:021:00000	16:044:00000	T	16.265	0.030	0.0000	-----
7124	---	us	A	16:044:00000	16:176:00000	T	8.260	0.030	0.0000	-----
7237	---	us	A	14:353:00000	15:001:00000	T	0.080	0.030	0.0245	c.drift
7237	---	us	A	15:364:00000	16:002:00000	T	-0.025	0.035	0.0270	c.drift
7237	---	us	A	16:026:00000	16:027:01800	T	26.100	0.040	0.0000	-----
7403	---	us	A	14:167:00000	14:190:00000	T	2.185	0.040	0.0000	-----
7403	---	us	A	14:190:00000	14:225:00000	T	2.260	0.040	0.0000	-----
7403	---	us	A	14:225:00000	14:342:00000	T	2.156	0.040	0.0000	-----
7501	---	us	A	13:001:00000	13:060:00000	T	-4.125	0.045	0.0000	-----
7501	---	us	A	13:060:00000	13:100:00000	T	-4.075	0.045	0.0000	-----
7501	---	us	A	13:100:00000	13:213:00000	T	-3.990	0.045	-0.0005	c.drift
7501	---	us	A	13:213:00000	13:339:00000	T	-4.005	0.045	0.0000	-----
7501	---	us	A	13:339:00000	14:129:00000	T	-4.045	0.045	0.0000	-----
7501	---	us	A	14:129:00000	15:001:00000	T	-6.045	0.045	0.0000	-----
7810	---	us	B	15:187:00000	15:188:28800	T	-2.650	0.050	0.0000	-----
7838	---	us	A	13:219:00000	13:260:00000	T	-2.000	0.030	-0.0750	c.drift
7838	---	us	A	13:260:00000	13:292:00000	T	-4.850	0.030	0.0650	c.drift
7838	---	us	A	13:292:00000	13:324:00000	T	-4.100	0.030	-0.0350	c.drift
7838	---	us	A	13:324:00000	13:337:00000	T	-5.200	0.030	-0.0250	c.drift
7838	---	us	A	13:337:00000	14:001:00000	T	-8.100	0.030	-0.0150	c.drift
7838	---	us	A	14:001:00000	14:015:00000	T	-9.400	0.030	-0.0150	c.drift
7838	---	us	A	14:015:00000	14:052:00000	T	-13.900	0.030	-0.0150	c.drift
7838	---	us	A	14:052:00000	14:071:00000	T	-15.800	0.030	-0.0250	c.drift
7838	---	us	A	14:071:00000	14:090:00000	T	-16.500	0.030	-0.0450	c.drift
7845	---	us	A	14:317:00000	14:326:00000	T	-61.330	0.025	0.0000	-----
8834	---	us	A	13:011:00000	13:047:00000	T	-2.250	0.025	-0.0014	c.drift
8834	---	us	A	13:047:00000	13:125:43200	T	-2.350	0.025	-0.0014	c.drift
8834	---	us	A	13:125:43260	13:126:00000	T	-29.090	0.025	0.0000	-----
8834	---	us	A	14:249:00000	14:264:00000	T	-2.050	0.025	-0.0065	c.drift
8834	---	us	A	14:264:00000	14:279:00000	T	-2.150	0.025	-0.0065	c.drift
8834	---	us	A	14:279:00000	14:295:00000	T	-2.250	0.025	-0.0065	c.drift
8834	---	us	A	14:295:00000	14:310:00000	T	-2.350	0.025	-0.0065	c.drift
8834	---	us	A	14:310:00000	14:325:00000	T	-2.450	0.025	-0.0065	c.drift
8834	---	us	A	14:325:00000	14:338:00000	T	-2.550	0.025	-0.0065	c.drift
8834	---	us	A	14:338:00000	14:352:00000	T	-2.650	0.025	-0.0065	c.drift
8834	---	us	A	14:352:00000	15:001:00000	T	-2.750	0.025	-0.0065	c.drift
8834	---	us	A	15:001:00000	15:014:00000	T	-2.850	0.025	-0.0065	c.drift
8834	---	us	A	15:014:00000	15:027:00000	T	-2.950	0.025	-0.0065	c.drift
8834	---	us	A	15:027:00000	15:040:00000	T	-3.050	0.025	-0.0065	c.drift
8834	---	us	A	15:040:00000	15:054:00000	T	-3.150	0.025	-0.0065	c.drift
8834	---	us	A	15:054:00000	15:068:00000	T	-3.250	0.025	-0.0065	c.drift
8834	---	us	A	15:068:00000	15:081:00000	T	-3.370	0.025	-0.0065	c.drift
8834	---	us	A	15:081:00000	15:095:00000	T	-3.500	0.025	-0.0065	c.drift
8834	---	us	A	15:095:00000	15:107:00000	T	-3.600	0.025	-0.0065	c.drift
8834	---	us	A	15:107:00000	15:122:00000	T	-3.710	0.025	-0.0065	c.drift

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8834 --- us A 15:122:00000 15:136:00000 T -3.810 0.025 -0.0065 c.drift
8834 --- us A 15:136:00000 15:150:00000 T -3.930 0.025 -0.0065 c.drift
8834 --- us A 15:150:00000 15:158:00000 T -4.040 0.025 -0.0065 c.drift
8834 --- us A 15:158:00000 15:170:00000 T -4.110 0.025 -0.0065 c.drift
8834 --- us A 15:170:00000 15:182:00000 T -4.220 0.025 -0.0065 c.drift
8834 --- us A 15:360:00000 16:007:00000 T -0.900 0.025 -0.0084 c.drift
8834 --- us A 16:358:00000 16:363:00000 T -2.000 0.025 -0.0179 c.drift
8834 --- us A 16:363:00000 17:001:00000 T -2.100 0.025 -0.0179 c.drift
8834 --- us A 17:006:00000 17:010:00000 T -2.300 0.010 -0.0200 c.drift
1873 --- us A 17:340:00000 17:340:00000 T 1300.000 0.000 0.0000 -----
1873 --- us A 17:328:00000 17:328:00000 T 51.000 0.000 0.0000 -----
1873 --- us A 17:030:00000 17:360:00000 T -5.000 5.500 0.0000 -----

```

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*
*CODE PT_ UNIT T _DATA_START_ __DATA_END__ M __E-VALUE__ STD_DEV _CMNTS_____
*

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* list of RECOMMENDED data corrections converted from CDDIS data base free format

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*
7109 --- mB A 95:284:00000 95:287:65700 P -50.00 Barometer reading error
7110 --- mB A 95:105:00000 95:355:65700 P 2.00 Barometer error +- < 5 mB
7840 --- % A 95:358:00000 95:358:86400 H -20.00 Error in humidity change given value by +20 %
7840 --- % A 95:359:00000 95:361:54000 H -10.00 Error in humidity change given value by +10 %
7840 --- % A 95:361:54000 95:363:57600 H -20.00 Error in humidity change given value by +20 %
7840 --- % A 95:363:57600 96:017:00000 H -30.00 Error in humidity change given value by +30 %
7840 --- % A 96:017:39600 96:022:00000 H -15.00 Error in humidity change given value by +15 %
7840 --- % A 96:022:00000 96:043:54000 H -30.00 Error in humidity change given value by +30 %
7080 --- mB A 95:065:00000 96:025:86400 P -2.10 Barometer reading error
7080 --- mB A 96:026:00000 96:115:86400 P -10.30 Barometer reading error
7080 --- mB A 96:116:00000 96:129:72000 P -9.70 Barometer reading error
7090 --- ms A 96:206:00000 96:206:86400 T -0.0020 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:207:00000 96:207:86400 T -0.0021 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:208:00000 96:208:86400 T -0.0023 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:209:00000 96:209:86400 T -0.0023 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:210:00000 96:210:86400 T -0.0024 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:211:00000 96:211:86400 T -0.0024 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:212:00000 96:212:86400 T -0.0025 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:213:00000 96:213:86400 T -0.0025 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:214:00000 96:214:86400 T -0.0025 Cesium clock drift (cor. time=np time - corr.)
7090 --- ms A 96:215:00000 96:215:79020 T -0.0025 Cesium clock drift (cor. time=np time - corr.)
7403 --- ms A 97:026:00000 97:026:86400 T 0.0020 station time bias
7403 --- ms A 97:027:00000 97:027:86400 T 0.0024 station time bias
7403 --- ms A 97:028:00000 97:028:86400 T 0.0028 station time bias
7403 --- ms A 97:029:00000 97:029:86400 T 0.0033 station time bias
7403 --- ms A 97:030:00000 97:030:86400 T 0.0037 station time bias
7403 --- ms A 97:031:00000 97:031:86400 T 0.0041 station time bias
7403 --- ms A 97:032:00000 97:032:86400 T 0.0046 station time bias
7403 --- ms A 97:033:00000 97:033:86400 T 0.0050 station time bias
7403 --- ms A 97:034:00000 97:034:86400 T 0.0054 station time bias
7403 --- ms A 97:035:00000 97:035:86400 T 0.0058 station time bias
7403 --- ms A 97:036:00000 97:036:86400 T 0.0055 station time bias
7403 --- ms A 97:037:00000 97:037:86400 T 0.0051 station time bias
7403 --- ms A 97:038:00000 97:038:86400 T 0.0046 station time bias
7403 --- ms A 97:039:00000 97:039:86400 T 0.0042 station time bias
7403 --- ms A 97:040:00000 97:040:86400 T 0.0038 station time bias
7403 --- ms A 97:041:00000 97:041:86400 T 0.0034 station time bias
7403 --- ms A 97:042:00000 97:042:86400 T 0.0029 station time bias
7403 --- ms A 97:043:00000 97:043:86400 T 0.0025 station time bias
7403 --- ms A 97:044:00000 97:044:86400 T 0.0021 station time bias
7403 --- ms A 97:054:00000 97:054:86400 T -0.0022 station time bias
7403 --- ms A 97:055:00000 97:055:86400 T -0.0027 station time bias
7403 --- ms A 97:060:00000 97:060:86400 T -0.0022 station time bias
7403 --- ms A 97:061:00000 97:061:86400 T -0.0026 station time bias
7403 --- ms A 97:062:00000 97:062:86400 T -0.0031 station time bias
7403 --- ms A 97:063:00000 97:063:86400 T -0.0035 station time bias
7403 --- ms A 97:064:00000 97:064:86400 T -0.0040 station time bias
7403 --- ms A 97:065:00000 97:065:86400 T -0.0044 station time bias
7403 --- ms A 97:066:00000 97:066:86400 T -0.0048 station time bias
7403 --- ms A 97:067:00000 97:067:86400 T -0.0053 station time bias
7403 --- ms A 97:068:00000 97:068:76200 T -0.0057 station time bias
7210 --- ms A 88:012:00000 88:337:86400 T -0.0541 uncorrected station time bias
7832 --- ms A 97:149:00000 97:176:86400 T -0.0410 uncorrected station time bias
7810 L51 ms A 97:277:83937 97:277:84287 T 64.500 uncorrected station time bias
7090 --- ms A 98:355:00000 98:355:86400 T 0.3875 epoch time bias
7105 --- ms A 99:063:72900 99:067:41720 T .2015 fixed time bias

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* list of data corrections converted from CDDIS data base (Van Husson's tables)

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1864 --- mB A 90:270:00000 00:359:00000 P -6.8 1.0

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7105	---	mB	A 99:058:21180	99:058:37180	P	-2.00	1.0	frozen	pressure
7105	L52	mB	A 99:038:09540	99:038:13140	P	-4.00	1.0	frozen	pressure
7105	L52	mB	A 99:060:34860	99:060:53100	P	021.0	1.0	frozen	pressure
7105	L51	mB	A 99:061:56340	99:061:59940	P	07.00	1.0	frozen	pressure
7105	L52	mB	A 99:138:73380	99:138:76980	P	05.60	1.0	frozen	pressure
7105	L51	mB	A 99:159:20580	99:159:24180	P	0.600	.50	frozen	pressure
7105	L51	mB	A 99:159:32580	99:159:36180	P	01.20	.50	frozen	pressure
7105	L51	mB	A 99:159:44820	99:159:48420	P	0.900	.50	frozen	pressure
7105	L51	mB	A 99:190:21300	99:190:35940	P	-1.00	.50	frozen	pressure
7105	L51	mB	A 99:191:15720	99:191:19320	P	04.00	1.0	frozen	pressure
7105	L52	mB	A 99:192:51720	99:192:70260	P	-7.50	1.0	frozen	pressure
7105	L51	mB	A 99:205:10020	99:205:13620	P	02.20	.50	frozen	pressure
7105	L52	mB	A 99:206:28620	99:206:32220	P	06.50	1.0	frozen	pressure
7105	L51	mB	A 99:206:29580	99:206:33180	P	06.20	1.0	frozen	pressure
7105	L52	mB	A 99:206:56940	99:206:60540	P	04.80	1.0	frozen	pressure
7105	L51	mB	A 99:216:07020	99:216:10620	P	-.400	.50	frozen	pressure
7105	L52	mB	A 99:216:31020	99:216:34620	P	0.700	.50	frozen	pressure
7105	L52	mB	A 99:216:47460	99:216:51060	P	0.800	.50	frozen	pressure
7105	L51	mB	A 99:266:02460	99:266:06060	P	-1.50	.50	frozen	pressure
7105	L51	mB	A 99:266:14700	99:266:18300	P	-3.20	1.0	frozen	pressure
7105	L52	mB	A 99:266:08100	99:266:11700	P	-2.00	.50	frozen	pressure
7105	L51	mB	A 99:266:27060	99:266:30660	P	-4.10	1.0	frozen	pressure
7105	L52	mB	A 99:266:23100	99:266:26700	P	-3.70	1.0	frozen	pressure
7105	L52	mB	A 99:266:39780	99:266:43380	P	-5.10	1.0	frozen	pressure
7109	---	ms	A 97:009:00000	97:012:00000	T	-.0024		clock	drift
7109	---	ms	A 97:012:00000	97:015:00000	T	-.0025		clock	drift
7109	---	ms	A 97:015:00000	97:018:00000	T	-.0026		clock	drift
7210	---	ms	A 94:353:00000	94:353:86400	T	.00200		stat.	clock drift
7210	---	ms	A 94:354:00000	94:354:86400	T	.00210		stat.	clock drift
7210	---	ms	A 94:355:00000	94:355:86400	T	.00220		stat.	clock drift
7210	---	ms	A 94:356:00000	94:356:86400	T	.00220		stat.	clock drift
7210	---	ms	A 95:003:00000	95:003:86400	T	.00200		stat.	clock drift
7210	---	ms	A 95:004:00000	95:004:86400	T	.00210		stat.	clock drift
7210	---	ms	A 95:005:00000	95:005:86400	T	.00230		stat.	clock drift
7210	---	ms	A 95:006:00000	95:006:86400	T	.00240		stat.	clock drift
7210	---	ms	A 95:007:00000	95:007:86400	T	.00260		stat.	clock drift
7210	---	ms	A 95:008:00000	95:008:86400	T	.00270		stat.	clock drift
7210	---	ms	A 95:009:00000	95:009:32400	T	.00290		stat.	clock drift
7210	---	ms	A 95:025:00000	95:025:86400	T	.00210		stat.	clock drift
7210	---	ms	A 95:026:00000	95:026:86400	T	.00220		stat.	clock drift
7210	---	ms	A 95:027:00000	95:027:86400	T	.00230		stat.	clock drift
7210	---	ms	A 95:028:00000	95:028:86400	T	.00250		stat.	clock drift
7210	---	ms	A 95:029:00000	95:029:86400	T	.00260		stat.	clock drift
7210	---	ms	A 95:030:00000	95:030:86400	T	.00270		stat.	clock drift
7210	---	ms	A 95:031:00000	95:031:86400	T	.00290		stat.	clock drift
7210	---	ms	A 95:032:00000	95:032:86400	T	.00300		stat.	clock drift
7210	---	ms	A 95:033:00000	95:033:86400	T	.00310		stat.	clock drift
7210	---	ms	A 95:034:00000	95:034:86400	T	.00330		stat.	clock drift
7210	---	ms	A 95:035:00000	95:035:86400	T	.00340		stat.	clock drift
7210	---	ms	A 95:036:00000	95:036:86400	T	.00350		stat.	clock drift
7210	---	ms	A 95:037:00000	95:037:86400	T	.00370		stat.	clock drift
7210	---	ms	A 95:038:00000	95:038:86400	T	.00380		stat.	clock drift
7210	---	ms	A 95:039:00000	95:039:86400	T	.00390		stat.	clock drift
7210	---	ms	A 95:040:00000	95:040:86400	T	.00410		stat.	clock drift
7210	---	ms	A 95:041:00000	95:041:86400	T	.00420		stat.	clock drift
7210	---	ms	A 95:042:00000	95:042:86400	T	.00430		stat.	clock drift
7210	---	ms	A 95:043:00000	95:043:86400	T	.00450		stat.	clock drift
7210	---	ms	A 95:044:00000	95:044:86400	T	.00460		stat.	clock drift
7210	---	ms	A 95:045:00000	95:045:86400	T	.00470		stat.	clock drift
7210	---	ms	A 95:046:00000	95:046:86400	T	.00490		stat.	clock drift
7210	---	ms	A 95:047:00000	95:047:32400	T	.00500		stat.	clock drift
7210	---	ms	A 95:061:00000	95:061:86400	T	.00220		stat.	clock drift
7210	---	ms	A 95:062:00000	95:062:86400	T	.00210		stat.	clock drift
7210	---	ms	A 95:069:00000	95:069:86400	T	.00220		stat.	clock drift
7210	---	ms	A 95:070:00000	95:070:86400	T	.00240		stat.	clock drift
7210	---	ms	A 95:071:00000	95:071:86400	T	.00260		stat.	clock drift
7210	---	ms	A 95:072:00000	95:072:86400	T	.00280		stat.	clock drift
7210	---	ms	A 95:073:00000	95:073:86400	T	.00300		stat.	clock drift
7210	---	ms	A 95:074:00000	95:074:86400	T	.00330		stat.	clock drift
7210	---	ms	A 95:075:00000	95:075:86400	T	.00350		stat.	clock drift
7210	---	ms	A 95:076:00000	95:076:86400	T	.00370		stat.	clock drift
7210	---	ms	A 95:077:00000	95:077:86400	T	.00390		stat.	clock drift
7210	---	ms	A 95:078:00000	95:078:86400	T	.00410		stat.	clock drift
7210	---	ms	A 95:079:00000	95:079:86400	T	.00440		stat.	clock drift
7210	---	ms	A 95:080:00000	95:080:86400	T	.00460		stat.	clock drift
7210	---	ms	A 95:081:00000	95:081:86400	T	.00480		stat.	clock drift
7210	---	ms	A 95:082:00000	95:082:86400	T	.00500		stat.	clock drift

7210	---	ms	A	95:083:00000	95:083:86400	T	.00520	stat.	clock	drift
7210	---	ms	A	95:084:00000	95:084:86400	T	.00550	stat.	clock	drift
7210	---	ms	A	95:085:00000	95:085:86400	T	.00570	stat.	clock	drift
7210	---	ms	A	95:086:00000	95:086:86400	T	.00590	stat.	clock	drift
7210	---	ms	A	95:087:00000	95:087:86400	T	.00580	stat.	clock	drift
7210	---	ms	A	95:088:00000	95:088:86400	T	.00600	stat.	clock	drift
7210	---	ms	A	95:089:00000	95:089:86400	T	.00610	stat.	clock	drift
7210	---	ms	A	95:090:00000	95:090:86400	T	.00630	stat.	clock	drift
7210	---	ms	A	95:091:00000	95:091:86400	T	.00640	stat.	clock	drift
7210	---	ms	A	95:092:00000	95:092:86400	T	.00660	stat.	clock	drift
7210	---	ms	A	95:093:00000	95:093:86400	T	.00670	stat.	clock	drift
7210	---	ms	A	95:094:00000	95:094:86400	T	.00690	stat.	clock	drift
7210	---	ms	A	95:095:00000	95:095:86400	T	.00710	stat.	clock	drift
7210	---	ms	A	95:096:00000	95:096:86400	T	.00720	stat.	clock	drift
7210	---	ms	A	95:097:00000	95:097:86400	T	.00740	stat.	clock	drift
7210	---	ms	A	95:098:00000	95:098:86400	T	.00750	stat.	clock	drift
7210	---	ms	A	95:099:00000	95:099:86400	T	.00770	stat.	clock	drift
7210	---	ms	A	95:100:00000	95:100:86400	T	.00790	stat.	clock	drift
7210	---	ms	A	95:101:00000	95:101:86400	T	.00800	stat.	clock	drift
7210	---	ms	A	95:102:00000	95:102:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:103:00000	95:103:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:104:00000	95:104:86400	T	.00850	stat.	clock	drift
7210	---	ms	A	95:105:00000	95:105:86400	T	.00850	stat.	clock	drift
7210	---	ms	A	95:106:00000	95:106:86400	T	.00860	stat.	clock	drift
7210	---	ms	A	95:107:00000	95:107:86400	T	.00840	stat.	clock	drift
7210	---	ms	A	95:108:00000	95:108:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:109:00000	95:109:86400	T	.00800	stat.	clock	drift
7210	---	ms	A	95:110:00000	95:110:86400	T	.00780	stat.	clock	drift
7210	---	ms	A	95:111:00000	95:111:86400	T	.00770	stat.	clock	drift
7210	---	ms	A	95:112:00000	95:112:86400	T	.00780	stat.	clock	drift
7210	---	ms	A	95:113:00000	95:113:86400	T	.00790	stat.	clock	drift
7210	---	ms	A	95:114:00000	95:114:86400	T	.00810	stat.	clock	drift
7210	---	ms	A	95:115:00000	95:115:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:116:00000	95:116:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:117:00000	95:117:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:118:00000	95:118:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:119:00000	95:119:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:120:00000	95:120:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:121:00000	95:121:86400	T	.00810	stat.	clock	drift
7210	---	ms	A	95:122:00000	95:122:86400	T	.00810	stat.	clock	drift
7210	---	ms	A	95:123:00000	95:123:86400	T	.00800	stat.	clock	drift
7210	---	ms	A	95:124:00000	95:124:86400	T	.00810	stat.	clock	drift
7210	---	ms	A	95:125:00000	95:125:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:126:00000	95:126:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:127:00000	95:127:86400	T	.00840	stat.	clock	drift
7210	---	ms	A	95:128:00000	95:128:86400	T	.00850	stat.	clock	drift
7210	---	ms	A	95:129:00000	95:129:86400	T	.00870	stat.	clock	drift
7210	---	ms	A	95:130:00000	95:130:86400	T	.00880	stat.	clock	drift
7210	---	ms	A	95:131:00000	95:131:86400	T	.00890	stat.	clock	drift
7210	---	ms	A	95:132:00000	95:132:86400	T	.00880	stat.	clock	drift
7210	---	ms	A	95:133:00000	95:133:86400	T	.00870	stat.	clock	drift
7210	---	ms	A	95:134:00000	95:134:86400	T	.00850	stat.	clock	drift
7210	---	ms	A	95:135:00000	95:135:86400	T	.00840	stat.	clock	drift
7210	---	ms	A	95:136:00000	95:136:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:137:00000	95:137:86400	T	.00820	stat.	clock	drift
7210	---	ms	A	95:138:00000	95:138:86400	T	.00830	stat.	clock	drift
7210	---	ms	A	95:139:00000	95:139:86400	T	.00840	stat.	clock	drift
7210	---	ms	A	95:140:00000	95:140:86400	T	.00850	stat.	clock	drift
7210	---	ms	A	95:141:00000	95:141:86400	T	.00860	stat.	clock	drift
7210	---	ms	A	95:142:00000	95:142:58560	T	.00870	stat.	clock	drift
7210	---	ms	A	95:142:58560	95:144:19620	T	19.536000	stat.	clock	drift
7210	---	ms	A	99:168:00000	99:169:00000	T	.0058	SLRmails	#0396,#0398	
7210	---	ms	A	99:169:00000	99:180:00000	T	.0073	SLRmails	#0396,#0398	
7210	---	ms	A	99:180:00000	99:181:00000	T	.0032	SLRmails	#0396,#0398	
7210	---	ms	A	99:181:00000	99:182:00000	T	.0041	SLRmails	#0396,#0398	
7210	---	ms	A	99:182:00000	99:183:00000	T	.0049	SLRmails	#0396,#0398	
7210	---	ms	A	99:183:00000	99:188:00000	T	.0056	SLRmails	#0396,#0398	
7210	---	ms	A	99:188:00000	99:189:00000	T	.0091	SLRmails	#0396,#0398	
7210	---	ms	A	99:189:00000	99:190:00000	T	.0098	SLRmails	#0396,#0398	
7210	---	ms	A	99:195:00000	99:196:00000	T	.0056	SLRmails	#0396,#0398	
7210	---	ms	A	99:196:00000	99:197:00000	T	.0066	SLRmails	#0396,#0398	
7210	---	ms	A	99:197:00000	99:202:00000	T	.0075	SLRmails	#0396,#0398	
7210	---	ms	A	99:202:00000	99:203:00000	T	.0122	SLRmails	#0396,#0398	
7210	---	ms	A	99:203:00000	99:204:00000	T	.0136	SLRmails	#0396,#0398	
7210	---	ms	A	99:204:00000	99:210:00000	T	.0146	SLRmails	#0396,#0398	
7210	---	ms	A	99:210:00000	99:211:00000	T	.0124	SLRmails	#0396,#0398	
7210	---	ms	A	99:211:00000	99:215:00000	T	.0154	SLRmails	#0396,#0398	


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7210 --- ms A 99:215:00000 99:216:00000 T .0269 SLRmails #0396,#0398
7210 --- ms A 99:216:00000 99:217:00000 T .0308 SLRmails #0396,#0398
7839 --- mB A 02:161:00000 02:344:00000 P -.5 .1
7845 L51 mB A 99:237:59628 99:237:63228 P -878.5 .30
7849 L51 mB A 99:125:39176 99:125:42776 P 69.20 .50
7849 L51 mB A 99:300:05234 99:300:08834 P 87.00 1.5
7849 L52 mB A 99:300:01885 99:300:05485 P 86.00 1.5

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** SECTION WITH OPTIONAL CORRECTIONS COMMENTED with "*" in col. #1

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* -----*

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* T2L2 Tb and Tb-dot OPTIONAL DATA RECORDS

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* which are not significant for LARES and higher orbits (range equivalent <10 mm)

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```

* with COMMENTED by "*" in col. #1

```

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* IMPORTANT: These Tb and Tb-dot values are in MICROSEC and MICROSEC/day

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* NOTE: Users of SLR data for other (lower) targets should evaluate by themselves

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* the significance of these Tb errors for their particular circumstances.

```

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*****

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*CODE	PT_	UNIT	T	_DATA_START_	_DATA_END_	M	_E-VALUE_	STD_DEV	_E-RATE_	_CMNTS_
*1824	---	us	A	08:183:00000	10:126:00000	T	0.000	1.000	0.0000	-----
*1824	---	us	A	10:127:00000	10:132:00000	T	-0.900	1.000	0.0000	-----
*1824	---	us	A	10:133:00000	12:084:68400	T	-2.000	5.000	0.0000	-----
*1824	---	us	A	12:085:00000	13:001:00000	T	0.145	0.200	0.0000	-----
*1831	---	us	A	08:183:00000	10:001:00000	T	0.000	0.250	0.0000	-----
*1873	---	us	A	09:161:00000	09:234:00000	T	-1.200	50.000	0.1100	c.drift
*1873	---	us	A	09:235:00000	09:323:00000	T	-1.200	50.000	0.1200	c.drift
*1873	---	us	A	12:172:00000	12:262:00000	T	-1.000	50.000	0.0000	-----
*1893	---	us	A	08:183:00000	10:124:64800	T	0.075	0.040	0.0000	-----
*1893	---	us	A	10:124:64860	10:125:03600	T	0.480	0.040	0.0000	-----
*1893	---	us	A	10:125:03660	10:142:00000	T	0.075	0.040	0.0000	-----
*1893	---	us	A	10:143:00000	12:292:00000	T	0.060	0.040	0.0000	-----
*1893	---	us	A	12:292:00000	12:293:00000	T	-0.650	0.050	0.0000	-----
*1893	---	us	A	12:293:00000	13:001:00000	T	0.075	0.030	0.0000	-----
*7080	---	us	A	08:183:00000	09:122:00000	T	-0.100	0.050	0.0000	-----
*7080	---	us	A	09:122:00000	13:001:00000	T	0.150	0.050	0.0000	-----
*7090	---	us	A	08:183:00000	08:281:00000	T	-0.250	0.035	0.0000	-----
*7090	---	us	A	08:281:00000	08:334:00000	T	-0.150	0.035	0.0000	-----
*7090	---	us	A	08:334:00000	08:336:00000	T	-0.290	0.035	0.0000	-----
*7090	---	us	A	08:336:00000	09:007:00000	T	-0.150	0.035	0.0000	-----
*7090	---	us	A	09:007:00000	09:083:72000	T	-0.350	0.035	0.0000	-----
*7090	---	us	A	09:083:72060	09:204:00000	T	-0.150	0.035	0.0000	-----
*7090	---	us	A	09:204:00000	09:330:00000	T	0.850	0.035	0.0000	-----
*7090	---	us	A	09:330:00000	09:337:00000	T	0.000	0.035	0.0000	-----
*7090	---	us	A	09:337:00000	09:339:00000	T	-0.525	0.035	0.0000	-----
*7090	---	us	A	09:339:00000	09:349:43200	T	0.000	0.035	0.0000	-----
*7090	---	us	A	09:349:43260	10:004:00000	T	-0.250	0.035	0.0000	-----
*7090	---	us	A	10:004:00000	10:041:07200	T	-0.450	0.035	0.0000	-----
*7090	---	us	A	10:041:07260	10:240:00000	T	-0.085	0.035	0.0000	-----
*7090	---	us	A	10:240:00000	11:013:00000	T	-0.270	0.035	0.0000	-----
*7090	---	us	A	11:013:00000	11:020:00000	T	-0.085	0.035	0.0000	-----
*7090	---	us	A	11:020:00000	11:052:00000	T	-0.160	0.035	0.0100	c.drift
*7090	---	us	A	11:052:00000	11:080:00000	T	0.000	0.035	0.0000	-----
*7090	---	us	A	11:080:00000	11:096:00000	T	0.035	0.035	0.0050	c.drift
*7090	---	us	A	11:096:00000	11:112:00000	T	0.135	0.035	0.0093	c.drift
*7090	---	us	A	11:112:00000	11:128:00000	T	0.270	0.035	0.0093	c.drift
*7090	---	us	A	11:128:00000	11:144:00000	T	0.450	0.035	0.0093	c.drift
*7090	---	us	A	11:144:00000	11:157:00000	T	0.640	0.035	0.0093	c.drift
*7090	---	us	A	11:157:00000	11:169:00000	T	0.760	0.035	0.0093	c.drift
*7090	---	us	A	11:169:00000	11:216:00000	T	0.870	0.035	0.0035	c.drift
*7090	---	us	A	11:216:00000	11:256:00000	T	1.035	0.035	0.0035	c.drift
*7090	---	us	A	11:256:00000	11:319:00000	T	0.450	0.035	0.0120	c.drift
*7090	---	us	A	11:319:00000	11:348:00000	T	0.075	0.035	0.0150	c.drift
*7090	---	us	A	11:348:00000	11:363:00000	T	0.300	0.035	0.0150	c.drift
*7090	---	us	A	12:011:00000	12:025:00000	T	0.100	0.035	0.0220	c.drift
*7090	---	us	A	12:025:00000	12:046:00000	T	0.330	0.035	0.0220	c.drift
*7090	---	us	A	12:046:00000	12:100:00000	T	0.510	0.035	0.0280	c.drift
*7090	---	us	A	12:100:00000	12:178:00000	T	-0.950	0.035	-0.0080	c.drift
*7090	---	us	A	12:178:00000	12:234:00000	T	-1.300	0.035	0.0000	-----
*7090	---	us	A	12:234:00000	12:278:00000	T	-1.230	0.035	0.0070	c.drift
*7090	---	us	A	12:278:00000	12:335:00000	T	-1.260	0.035	0.0035	c.drift
*7090	---	us	A	12:335:00000	13:001:00000	T	-1.145	0.035	0.0000	-----
*7105	---	us	A	08:183:00000	08:317:00000	T	0.015	0.025	0.0000	-----
*7105	---	us	A	08:317:00000	09:034:00000	T	-0.140	0.025	0.0000	-----
*7105	---	us	A	09:034:00000	09:047:00000	T	0.070	0.025	0.0000	-----

*7105	---	us	A	09:047:00000	09:217:00000	T	-0.140	0.025	0.0000	-----
*7105	---	us	A	09:217:00000	09:233:00000	T	-0.440	0.025	0.0000	-----
*7105	---	us	A	09:233:00000	09:302:00000	T	-0.350	0.025	0.0000	-----
*7105	---	us	A	09:302:00000	10:120:00000	T	0.125	0.025	0.0000	-----
*7105	---	us	A	10:120:00000	11:104:00000	T	-0.025	0.025	0.0000	-----
*7105	---	us	A	11:104:00000	11:107:00000	T	-0.750	0.025	0.0000	-----
*7105	---	us	A	11:107:00000	11:111:00000	T	-1.700	0.025	0.0000	-----
*7105	---	us	A	11:113:00000	12:183:00000	T	-0.050	0.025	0.0000	-----
*7105	---	us	A	12:183:00000	12:348:00000	T	0.050	0.025	0.0000	-----
*7105	---	us	A	12:348:00000	13:001:00000	T	-0.075	0.025	0.0000	-----
*7110	---	us	A	08:183:00000	08:326:00000	T	0.250	0.030	0.0000	-----
*7110	---	us	A	08:326:00000	09:315:00000	T	0.350	0.100	0.0000	-----
*7110	---	us	A	09:315:00000	09:338:00000	T	0.250	0.050	0.0000	-----
*7110	---	us	A	09:338:00000	10:043:00000	T	-0.650	0.040	0.0000	-----
*7110	---	us	A	10:043:00000	10:175:00000	T	-0.180	0.040	0.0000	-----
*7110	---	us	A	10:177:00000	10:205:00000	T	1.250	0.100	0.0000	-----
*7110	---	us	A	10:205:00000	10:223:00000	T	-0.180	0.030	0.0000	-----
*7110	---	us	A	10:223:00000	10:238:00000	T	0.810	0.035	0.0000	-----
*7110	---	us	A	10:238:00000	11:001:00000	T	0.425	0.035	0.0000	-----
*7110	---	us	A	11:001:00000	11:049:00000	T	0.600	0.035	0.0000	-----
*7110	---	us	A	11:049:00000	11:114:00000	T	0.400	0.035	0.0000	-----
*7110	---	us	A	11:114:00000	11:317:00000	T	1.450	0.500	0.0000	-----
*7110	---	us	A	11:317:00000	11:335:00000	T	0.420	0.050	0.0000	-----
*7110	---	us	A	11:335:00000	12:013:00000	T	0.185	0.035	0.0000	-----
*7110	---	us	A	12:013:00000	12:073:00000	T	0.485	0.035	0.0000	-----
*7110	---	us	A	12:073:00000	12:122:00000	T	0.225	0.035	0.0000	-----
*7110	---	us	A	12:122:00000	12:164:00000	T	0.350	0.035	0.0000	-----
*7110	---	us	A	12:168:00000	12:194:00000	T	0.540	0.035	0.0000	-----
*7110	---	us	A	12:194:00000	12:204:00000	T	0.200	0.035	0.0000	-----
*7110	---	us	A	12:204:00000	12:284:00000	T	0.350	0.035	0.0000	-----
*7110	---	us	A	12:284:00000	13:001:00000	T	0.480	0.035	0.0000	-----
*7119	---	us	A	10:244:00000	10:253:00000	T	0.000	0.025	0.0000	-----
*7119	---	us	A	10:253:00000	11:089:00000	T	0.000	0.030	0.0000	-----
*7119	---	us	A	11:089:00000	12:175:00000	T	0.230	0.035	0.0000	-----
*7119	---	us	A	12:175:00000	12:245:00000	T	0.350	0.035	0.0000	-----
*7119	---	us	A	12:245:00000	12:263:00000	T	0.650	0.035	0.0000	-----
*7119	---	us	A	12:263:00000	12:312:00000	T	0.300	0.035	0.0000	-----
*7119	---	us	A	12:312:00000	12:352:00000	T	0.050	0.035	0.0000	-----
*7119	---	us	A	12:352:00000	13:001:00000	T	0.285	0.035	0.0000	-----
*7124	---	us	A	08:183:00000	10:091:00000	T	0.200	0.030	0.0000	-----
*7124	---	us	A	10:091:00000	11:274:00000	T	0.065	0.030	0.0000	-----
*7124	---	us	A	11:274:00000	12:270:00000	T	0.450	0.040	0.0000	-----
*7124	---	us	A	12:270:00000	12:306:00000	T	0.200	0.030	0.0000	-----
*7124	---	us	A	12:306:00000	13:001:00000	T	0.450	0.035	0.0000	-----
*7124	---	us	A	16:176:00000	17:001:00000	T	0.760	0.030	0.0000	-----
*7237	---	us	A	08:183:00000	08:282:00000	T	-0.050	0.030	0.0000	-----
*7237	---	us	A	08:282:00000	10:022:00000	T	0.050	0.030	0.0000	-----
*7237	---	us	A	11:087:00000	12:193:00000	T	0.075	0.030	0.0000	-----
*7237	---	us	A	12:193:00000	12:291:00000	T	0.080	0.030	0.0180	c.drift
*7237	---	us	A	12:291:00000	13:001:00000	T	0.075	0.030	0.0000	-----
*7308	---	us	A	09:152:00000	09:261:00000	T	-0.300	0.045	0.0000	-----
*7308	---	us	A	09:261:00000	09:282:00000	T	-0.530	0.035	0.0000	-----
*7308	---	us	A	09:282:00000	09:314:00000	T	-0.260	0.035	0.0000	-----
*7308	---	us	A	09:314:00000	09:347:00000	T	-0.485	0.030	0.0000	-----
*7308	---	us	A	09:347:00000	10:167:00000	T	-0.300	0.030	0.0000	-----
*7308	---	us	A	10:167:00000	10:224:00000	T	0.000	0.030	0.0000	-----
*7308	---	us	A	10:224:00000	10:285:00000	T	-0.200	0.030	0.0000	-----
*7308	---	us	A	10:285:00000	11:258:00000	T	-0.450	0.030	0.0000	-----
*7308	---	us	A	11:258:00000	11:350:00000	T	-0.550	0.035	0.0000	-----
*7308	---	us	A	11:350:00000	12:148:00000	T	-0.165	0.035	0.0000	-----
*7308	---	us	A	12:148:00000	12:275:00000	T	-0.280	0.035	0.0000	-----
*7308	---	us	A	12:275:00000	13:001:00000	T	-0.140	0.035	0.0000	-----
*7358	---	us	A	10:305:00000	11:121:00000	T	-0.233	0.030	0.0000	-----
*7403	---	us	A	08:183:00000	08:353:00000	T	0.120	0.035	0.0000	-----
*7403	---	us	A	08:353:00000	09:236:00000	T	-0.050	0.035	0.0000	-----
*7403	---	us	A	09:236:00000	10:035:00000	T	0.035	0.035	0.0000	-----
*7403	---	us	A	10:035:00000	10:084:00000	T	0.200	0.050	0.0000	-----
*7403	---	us	A	10:084:00000	10:164:00000	T	0.050	0.050	0.0000	-----
*7403	---	us	A	10:164:00000	10:215:00000	T	0.150	0.050	0.0000	-----
*7403	---	us	A	10:215:00000	11:198:00000	T	-0.050	0.050	0.0000	-----
*7403	---	us	A	11:198:00000	12:070:00000	T	0.075	0.050	0.0000	-----
*7403	---	us	A	12:070:00000	12:127:00000	T	0.185	0.050	0.0000	-----
*7403	---	us	A	12:127:00000	12:273:00000	T	0.000	0.050	0.0000	-----
*7403	---	us	A	12:273:00000	12:336:00000	T	0.180	0.050	0.0000	-----
*7403	---	us	A	12:336:00000	13:001:00000	T	0.000	0.045	0.0000	-----
*7406	---	us	A	12:060:00000	13:001:00000	T	0.050	0.035	0.0000	-----
*7501	---	us	A	08:254:00000	08:257:00000	T	0.350	0.040	0.0000	-----

*7810	---	us	B	08:183:00000	08:231:00000	T	0.120	0.045	0.0000	-----
*7810	---	us	B	08:231:00000	13:001:00000	T	0.210	0.045	0.0000	-----
*7811	---	us	A	08:183:00000	13:001:00000	T	0.200	0.030	0.0000	-----
*7821	---	us	A	08:183:00000	13:001:00000	T	-0.050	0.035	0.0000	-----
*7822	---	us	A	11:128:00000	11:163:00000	T	-0.110	0.035	-0.0132	c.drift
*7822	---	us	A	11:163:00000	11:179:00000	T	-0.050	0.035	-0.0367	c.drift
*7822	---	us	A	11:179:00000	11:191:00000	T	-0.075	0.040	0.0000	-----
*7822	---	us	A	11:191:00000	11:289:00000	T	0.100	0.075	0.0000	-----
*7824	---	us	B	08:183:00000	09:070:00000	T	-0.850	0.040	0.0000	-----
*7824	---	us	B	09:070:00000	09:153:00000	T	-1.350	0.040	0.0000	-----
*7824	---	us	B	09:153:00000	12:079:00000	T	0.950	0.040	0.0000	-----
*7824	---	us	B	12:079:00000	12:324:28800	T	0.550	0.065	0.0000	-----
*7824	---	us	B	12:324:28800	13:001:00000	T	0.850	0.045	0.0000	-----
*7825	---	us	A	08:183:00000	09:332:00000	T	0.000	0.035	-0.0001	c.drift
*7825	---	us	A	09:332:00000	09:337:00000	T	-0.300	0.055	0.0000	-----
*7825	---	us	A	09:337:00000	09:346:00000	T	0.000	0.060	0.0000	-----
*7825	---	us	A	09:346:00000	09:357:00000	T	-1.950	0.060	0.0000	-----
*7825	---	us	A	09:357:00000	10:010:00000	T	-0.120	0.060	0.0000	-----
*7825	---	us	A	10:010:00000	10:013:00000	T	1.300	0.035	0.0000	-----
*7825	---	us	A	10:013:00000	10:029:00000	T	-1.280	0.060	0.0000	-----
*7825	---	us	A	10:029:00000	10:033:00000	T	-1.930	0.035	0.0000	-----
*7825	---	us	A	10:033:00000	10:075:00000	T	-0.065	0.080	0.0000	-----
*7825	---	us	A	10:075:00000	10:085:00000	T	-0.250	0.080	-0.0100	c.drift
*7825	---	us	A	10:085:00000	10:087:00000	T	-0.485	0.080	0.0000	-----
*7825	---	us	A	10:087:00000	10:112:00000	T	-0.065	0.080	0.0000	-----
*7825	---	us	A	10:112:00000	10:119:00000	T	-0.170	0.035	0.0000	-----
*7825	---	us	A	10:119:00000	10:202:00000	T	-0.040	0.035	0.0000	-----
*7825	---	us	A	10:202:00000	10:208:00000	T	1.350	0.100	0.0000	-----
*7825	---	us	A	10:208:00000	10:305:00000	T	-0.060	0.080	0.0005	c.drift
*7825	---	us	A	10:305:00000	11:139:00000	T	-0.045	0.080	0.0000	-----
*7825	---	us	A	11:139:00000	11:202:00000	T	-0.045	2.000	0.0000	-----
*7825	---	us	A	11:202:00000	11:310:00000	T	-0.515	0.500	-0.0050	c.drift
*7832	---	us	A	08:226:00000	11:319:00000	T	-0.080	0.040	0.0000	-----
*7838	---	us	A	10:009:00000	10:266:00000	T	-0.150	0.050	0.0000	-----
*7838	---	us	A	10:266:00000	10:336:00000	T	-0.450	0.030	0.0000	-----
*7838	---	us	A	10:336:00000	12:060:00000	T	-1.250	1.000	0.0000	-----
*7838	---	us	A	12:061:00000	13:001:00000	T	-0.085	0.030	0.0000	-----
*7840	---	us	A	08:183:00000	10:112:00000	T	0.220	0.045	0.0000	-----
*7840	---	us	A	10:112:00000	13:001:00000	T	0.120	0.045	0.0000	-----
*7841	---	us	A	08:183:00000	09:091:00000	T	-0.050	0.040	0.0000	-----
*7841	---	us	A	09:091:00000	10:060:00000	T	0.000	0.030	0.0000	-----
*7841	---	us	A	10:060:00000	13:001:00000	T	0.000	0.099	0.0000	-----
*7845	---	us	A	08:183:00000	09:075:00000	T	-0.050	0.030	0.0010	c.drift
*7845	---	us	A	09:075:00000	09:188:00000	T	-0.250	0.030	0.0000	-----
*7845	---	us	A	09:188:00000	10:082:00000	T	0.370	0.030	0.0045	c.drift
*7845	---	us	A	10:082:00000	10:180:00000	T	-0.200	0.030	0.0000	-----
*7845	---	us	A	10:180:00000	10:193:00000	T	-0.050	0.030	0.0120	c.drift
*7845	---	us	A	10:193:00000	10:207:00000	T	0.050	0.030	0.0120	c.drift
*7845	---	us	A	10:207:00000	10:220:00000	T	0.200	0.030	0.0130	c.drift
*7845	---	us	A	10:220:00000	10:228:00000	T	0.300	0.030	0.0200	c.drift
*7845	---	us	A	10:228:00000	10:235:00000	T	0.500	0.030	0.0220	c.drift
*7845	---	us	A	10:235:00000	10:242:00000	T	0.650	0.030	0.0260	c.drift
*7845	---	us	A	10:242:00000	10:249:00000	T	0.800	0.030	0.0260	c.drift
*7845	---	us	A	10:249:00000	10:256:00000	T	0.900	0.030	0.0280	c.drift
*7845	---	us	A	10:256:00000	10:263:00000	T	1.050	0.030	0.0280	c.drift
*7845	---	us	A	10:263:00000	10:270:00000	T	1.200	0.030	0.0280	c.drift
*7845	---	us	A	10:270:00000	10:277:00000	T	1.400	0.030	0.0280	c.drift
*7845	---	us	A	10:277:00000	10:284:00000	T	1.600	0.030	0.0280	c.drift
*7845	---	us	A	10:284:00000	10:291:00000	T	1.800	0.030	0.0280	c.drift
*7845	---	us	A	10:356:00000	11:071:00000	T	-0.100	0.030	0.0035	c.drift
*7845	---	us	A	11:071:00000	11:080:00000	T	0.130	0.030	0.0155	c.drift
*7845	---	us	A	11:080:00000	11:089:00000	T	0.250	0.030	0.0185	c.drift
*7845	---	us	A	11:089:00000	11:098:00000	T	0.350	0.030	0.0185	c.drift
*7845	---	us	A	11:098:00000	11:107:00000	T	0.460	0.030	0.0205	c.drift
*7845	---	us	A	11:107:00000	11:116:00000	T	0.620	0.030	0.0205	c.drift
*7845	---	us	A	11:116:00000	11:125:00000	T	0.750	0.030	0.0225	c.drift
*7845	---	us	A	11:125:00000	11:134:00000	T	0.900	0.030	0.0225	c.drift
*7845	---	us	A	11:134:00000	11:143:00000	T	1.100	0.030	0.0225	c.drift
*7845	---	us	A	11:143:00000	11:153:00000	T	1.280	0.030	0.0225	c.drift
*7845	---	us	A	11:153:00000	11:164:00000	T	1.500	0.030	0.0250	c.drift
*7845	---	us	A	11:164:00000	11:172:00000	T	1.800	0.030	0.0290	c.drift
*7845	---	us	A	11:201:00000	11:335:00000	T	-0.050	0.050	0.0023	c.drift
*7845	---	us	A	11:335:00000	13:001:00000	T	-0.250	0.035	0.0000	-----
*7848	---	us	A	08:192:00000	08:345:00000	T	0.250	0.030	0.0000	-----
*7941	---	us	A	08:232:00000	08:361:00000	T	0.000	0.060	0.0000	-----
*7941	---	us	A	08:361:00000	09:257:00000	T	-0.100	0.060	0.0000	-----
*7941	---	us	A	09:257:00000	10:011:00000	T	0.150	0.060	0.0000	-----

*7941	---	us	A	10:011:00000	10:078:00000	T	0.000	0.060	0.0000	-----
*7941	---	us	A	10:078:00000	10:334:00000	T	-0.050	0.060	0.0000	-----
*7941	---	us	A	10:334:00000	11:212:00000	T	-0.150	0.060	0.0000	-----
*7941	---	us	A	11:212:82860	11:216:68400	T	-0.150	0.060	0.0000	-----
*7941	---	us	A	11:217:21660	12:011:00000	T	0.050	0.055	0.0000	-----
*7941	---	us	A	12:025:21660	12:164:00000	T	-0.150	0.055	0.0000	-----
*7941	---	us	A	12:164:00000	12:321:00000	T	0.050	0.000	0.0000	-----
*7941	---	us	A	12:321:21660	13:001:00000	T	-0.150	0.055	0.0000	-----
*8834	---	us	A	08:183:00000	10:001:00000	T	0.100	0.035	0.0000	-----
*8834	---	us	A	10:197:00000	13:001:00000	T	0.050	0.030	0.0000	-----
*1824	---	us	A	13:001:00000	17:001:00000	T	0.050	0.300	0.0000	-----
*1868	---	us	A	16:001:00000	17:001:00000	T	0.025	0.030	0.0000	-----
*1873	---	us	A	13:001:00000	13:172:00000	T	-0.270	10.000	0.0000	-----
*1873	---	us	A	13:196:00000	15:001:00000	T	-1.600	7.500	0.0000	-----
*1873	---	us	A	16:122:00000	16:174:00000	T	-1.700	7.500	0.0000	-----
*1873	---	us	A	16:174:00000	16:177:00000	T	0.000	0.200	0.0000	-----
*1873	---	us	A	16:177:00000	16:190:72000	T	-1.700	7.500	0.0000	-----
*1873	---	us	A	16:190:75600	17:001:00000	T	-1.700	7.500	0.0000	-----
*1873	---	us	A	16:177:00000	17:001:00000	T	-1.500	7.500	0.0000	-----
*1874	---	us	A	16:001:00000	16:071:00000	T	0.100	0.050	0.0000	-----
*1874	---	us	A	16:071:00000	16:092:00000	T	0.065	0.050	0.0000	-----
*1874	---	us	A	16:092:00000	16:183:00000	T	0.000	0.050	0.0000	-----
*1874	---	us	A	16:183:00000	17:001:00000	T	0.050	0.050	0.0000	-----
*1879	---	us	A	16:001:00000	17:001:00000	T	0.240	0.030	0.0000	-----
*1884	---	us	A	16:001:00000	16:153:00000	T	-0.350	0.030	0.0000	-----
*1884	---	us	A	16:153:00000	16:171:00000	T	-0.400	0.030	0.0000	-----
*1884	---	us	A	16:171:00000	16:264:00000	T	-0.350	0.030	0.0000	-----
*1884	---	us	A	16:264:00000	17:001:00000	T	0.260	0.030	0.0000	-----
*1886	---	us	A	16:001:00000	16:189:00000	T	0.050	0.040	0.0000	-----
*1886	---	us	A	16:189:00000	17:001:00000	T	0.000	0.040	0.0000	-----
*1888	---	us	A	16:001:00000	16:032:00000	T	0.150	0.060	0.0000	-----
*1888	---	us	A	16:032:00000	16:092:00000	T	0.050	0.060	0.0000	-----
*1888	---	us	A	16:092:00000	17:001:00000	T	0.110	0.060	0.0000	-----
*1889	---	us	A	16:001:00000	16:326:55500	T	0.100	0.100	0.0000	-----
*1889	---	us	A	16:327:63540	17:001:00000	T	0.100	0.100	0.0000	-----
*1890	---	us	A	16:001:00000	16:028:00000	T	-1.200	0.050	0.0000	-----
*1890	---	us	A	16:028:00000	16:085:00000	T	-1.450	0.050	0.0000	-----
*1890	---	us	A	16:085:00000	16:129:00000	T	-1.550	0.050	0.0000	-----
*1890	---	us	A	16:129:00000	16:158:00000	T	-1.450	0.050	0.0000	-----
*1890	---	us	A	16:158:00000	16:304:52380	T	-0.050	0.050	0.0000	-----
*1890	---	us	A	16:304:52440	16:311:41580	T	0.100	0.050	0.0000	-----
*1890	---	us	A	16:311:41640	17:001:00000	T	-0.050	0.050	0.0000	-----
*1891	---	us	A	16:001:00000	16:229:00000	T	0.150	0.050	0.0000	-----
*1891	---	us	A	16:229:00000	17:001:00000	T	0.050	0.050	0.0000	-----
*1893	---	us	A	13:001:00000	13:213:00000	T	0.150	0.075	0.0000	-----
*1893	---	us	A	14:213:00000	15:001:00000	T	0.175	0.075	0.0000	-----
*1893	---	us	A	15:001:00000	15:194:00000	T	0.200	0.050	0.0000	-----
*1893	---	us	A	15:194:00000	17:001:00000	T	0.106	0.050	0.0000	-----
*7080	---	us	A	13:001:00000	17:001:00000	T	0.220	0.075	0.0000	-----
*7090	---	us	A	13:001:00000	13:021:00000	T	-1.050	0.030	0.0050	c.drift
*7090	---	us	A	13:021:00000	13:042:00000	T	-0.950	0.030	0.0050	c.drift
*7090	---	us	A	13:042:00000	13:061:00000	T	-0.850	0.030	0.0050	c.drift
*7090	---	us	A	13:061:00000	13:066:00000	T	-0.750	0.030	0.0000	-----
*7090	---	us	A	13:066:00000	13:099:00000	T	-0.550	0.030	0.0000	-----
*7090	---	us	A	13:099:00000	13:112:00000	T	-0.400	0.030	0.0090	c.drift
*7090	---	us	A	13:112:00000	13:123:00000	T	-0.300	0.030	0.0090	c.drift
*7090	---	us	A	13:123:00000	13:163:00000	T	-0.200	0.030	0.0018	c.drift
*7090	---	us	A	13:163:00000	13:181:00000	T	-0.125	0.030	0.0050	c.drift
*7090	---	us	A	13:181:00000	13:188:00000	T	-0.350	0.030	0.0000	-----
*7090	---	us	A	13:188:00000	13:244:00000	T	-0.420	0.030	0.0000	-----
*7090	---	us	A	13:244:00000	13:277:00000	T	-0.350	0.030	0.0032	c.drift
*7090	---	us	A	13:277:00000	13:310:00000	T	-0.250	0.030	0.0032	c.drift
*7090	---	us	A	13:310:00000	13:320:00000	T	-0.125	0.030	0.0094	c.drift
*7090	---	us	A	13:320:00000	13:335:00000	T	-0.025	0.030	0.0094	c.drift
*7090	---	us	A	13:335:00000	13:345:00000	T	0.050	0.030	0.0094	c.drift
*7090	---	us	A	13:345:00000	13:355:00000	T	0.150	0.030	0.0094	c.drift
*7090	---	us	A	13:355:00000	14:001:00000	T	0.250	0.030	0.0094	c.drift
*7090	---	us	A	14:009:00000	14:009:00000	T	0.350	0.025	0.0094	c.drift
*7090	---	us	A	14:009:00000	14:016:00000	T	0.450	0.025	0.0094	c.drift
*7090	---	us	A	14:016:00000	14:023:00000	T	0.525	0.025	0.0094	c.drift
*7090	---	us	A	14:023:00000	14:030:00000	T	0.600	0.025	0.0094	c.drift
*7090	---	us	A	14:030:00000	14:042:00000	T	-0.300	0.025	0.0139	c.drift
*7090	---	us	A	14:042:00000	14:050:00000	T	-0.150	0.025	0.0139	c.drift
*7090	---	us	A	14:050:00000	14:057:00000	T	-0.050	0.025	0.0139	c.drift
*7090	---	us	A	14:057:00000	14:064:00000	T	0.040	0.025	0.0139	c.drift
*7090	---	us	A	14:064:00000	14:072:00000	T	0.160	0.025	0.0145	c.drift
*7090	---	us	A	14:072:00000	14:080:00000	T	0.280	0.025	0.0145	c.drift

*7090	---	us	A	14:080:00000	14:087:00000	T	0.400	0.025	0.0145	c.drift
*7090	---	us	A	14:087:00000	14:094:00000	T	0.520	0.025	0.0145	c.drift
*7090	---	us	A	14:094:00000	14:101:00000	T	0.640	0.025	0.0145	c.drift
*7090	---	us	A	14:101:00000	14:107:00000	T	0.760	0.025	0.0145	c.drift
*7090	---	us	A	14:107:00000	14:114:00000	T	0.880	0.025	0.0145	c.drift
*7090	---	us	A	14:114:00000	14:122:00000	T	1.020	0.025	0.0145	c.drift
*7090	---	us	A	14:122:00000	14:129:00000	T	1.150	0.025	0.0145	c.drift
*7090	---	us	A	14:129:00000	14:136:00000	T	0.150	0.025	0.0233	c.drift
*7090	---	us	A	14:136:00000	14:140:00000	T	0.250	0.025	0.0233	c.drift
*7090	---	us	A	14:140:00000	14:145:00000	T	0.350	0.025	0.0233	c.drift
*7090	---	us	A	14:145:00000	14:149:00000	T	0.450	0.025	0.0233	c.drift
*7090	---	us	A	14:149:00000	14:154:00000	T	0.550	0.025	0.0233	c.drift
*7090	---	us	A	14:154:00000	14:158:00000	T	0.650	0.025	0.0233	c.drift
*7090	---	us	A	14:158:00000	14:163:00000	T	0.750	0.025	0.0233	c.drift
*7090	---	us	A	14:163:00000	14:166:00000	T	0.850	0.025	0.0233	c.drift
*7090	---	us	A	14:166:00000	14:171:00000	T	0.950	0.025	0.0233	c.drift
*7090	---	us	A	14:171:00000	14:177:00000	T	1.050	0.025	0.0233	c.drift
*7090	---	us	A	14:177:00000	14:242:00000	T	0.010	0.025	0.0000	-----
*7090	---	us	A	14:242:00000	14:259:00000	T	0.050	0.025	0.0030	c.drift
*7090	---	us	A	14:259:00000	14:274:00000	T	0.100	0.025	0.0040	c.drift
*7090	---	us	A	14:274:00000	14:294:00000	T	0.180	0.025	0.0050	c.drift
*7090	---	us	A	14:294:00000	14:300:00000	T	0.265	0.025	0.0050	c.drift
*7090	---	us	A	14:300:00000	14:323:00000	T	0.210	0.025	-0.0060	c.drift
*7090	---	us	A	14:323:00000	14:341:00000	T	0.090	0.025	-0.0050	c.drift
*7090	---	us	A	14:341:00000	15:005:00000	T	0.010	0.025	-0.0040	c.drift
*7090	---	us	A	15:005:00000	15:051:00000	T	-0.050	0.045	0.0000	-----
*7090	---	us	A	15:051:00000	15:096:00000	T	-0.180	0.045	0.0000	-----
*7090	---	us	A	15:096:00000	15:173:00000	T	0.030	0.045	0.0000	-----
*7090	---	us	A	15:173:00000	15:190:00000	T	-0.080	0.045	0.0000	-----
*7090	---	us	A	15:190:00000	15:319:62940	T	0.030	0.045	0.0000	-----
*7090	---	us	A	15:319:63000	15:326:14400	T	0.250	0.045	0.0000	-----
*7090	---	us	A	15:326:14460	15:350:00000	T	0.050	0.045	0.0000	-----
*7090	---	us	A	15:350:00000	16:003:00000	T	0.250	0.045	0.0000	-----
*7090	---	us	A	16:003:00000	16:055:00000	T	0.030	0.045	0.0000	-----
*7090	---	us	A	16:055:00000	16:069:00000	T	0.420	0.045	0.0000	-----
*7090	---	us	A	16:069:00000	16:238:00000	T	0.530	0.045	0.0000	-----
*7090	---	us	A	16:238:00000	17:001:00000	T	0.400	0.045	0.0000	-----
*7105	---	us	A	13:001:00000	13:091:00000	T	-0.012	0.030	0.0000	-----
*7105	---	us	A	13:091:00000	13:152:00000	T	0.112	0.030	0.0000	-----
*7105	---	us	A	13:152:00000	14:027:00000	T	0.025	0.030	0.0000	-----
*7105	---	us	A	14:027:00000	14:079:00000	T	0.070	0.030	0.0000	-----
*7105	---	us	A	14:079:00000	14:082:00000	T	0.250	0.030	0.0000	-----
*7105	---	us	A	14:082:00000	14:223:00000	T	0.000	0.030	0.0000	-----
*7105	---	us	A	14:223:00000	14:343:00000	T	0.150	0.030	0.0000	-----
*7105	---	us	A	14:343:00000	15:105:00000	T	-0.070	0.030	0.0000	-----
*7105	---	us	A	15:105:00000	15:137:00000	T	0.090	0.030	0.0000	-----
*7105	---	us	A	15:137:00000	15:182:00000	T	0.025	0.030	0.0000	-----
*7105	---	us	A	15:182:00000	15:194:00000	T	0.400	0.030	0.0000	-----
*7105	---	us	A	15:206:00000	15:211:00000	T	0.250	0.030	0.0000	-----
*7105	---	us	A	15:211:00000	15:216:00000	T	0.390	0.030	0.0000	-----
*7105	---	us	A	15:216:00000	16:122:00000	T	0.190	0.030	0.0000	-----
*7105	---	us	A	16:122:00000	16:214:00000	T	0.248	0.030	0.0000	-----
*7105	---	us	A	16:214:00000	17:001:00000	T	0.047	0.030	0.0000	-----
*7110	---	us	A	13:001:00000	13:207:00000	T	0.517	0.075	0.0000	-----
*7110	---	us	A	13:207:00000	13:254:00000	T	0.660	0.075	0.0000	-----
*7110	---	us	A	13:254:00000	13:276:00000	T	0.600	0.075	0.0000	-----
*7110	---	us	A	13:276:00000	13:341:00000	T	0.397	0.075	0.0000	-----
*7110	---	us	A	13:341:00000	14:023:00000	T	0.527	0.075	0.0000	-----
*7110	---	us	A	14:023:00000	14:057:00000	T	0.450	0.075	0.0000	-----
*7110	---	us	A	14:057:00000	14:068:00000	T	0.350	0.075	0.0000	-----
*7110	---	us	A	14:068:00000	14:122:00000	T	0.420	0.075	0.0000	-----
*7110	---	us	A	14:122:00000	14:154:00000	T	0.490	0.075	0.0000	-----
*7110	---	us	A	14:154:00000	14:190:00000	T	0.400	0.075	0.0000	-----
*7110	---	us	A	14:190:00000	15:160:00000	T	0.545	0.075	0.0000	-----
*7110	---	us	A	15:160:00000	15:218:00000	T	0.425	0.075	0.0000	-----
*7110	---	us	A	15:218:00000	15:241:00000	T	0.340	0.075	0.0000	-----
*7110	---	us	A	15:241:00000	15:248:00000	T	0.525	0.075	0.0000	-----
*7110	---	us	A	15:248:00000	16:001:00000	T	0.440	0.075	0.0000	-----
*7110	---	us	A	16:001:00000	16:049:00000	T	0.600	0.075	0.0000	-----
*7110	---	us	A	16:049:00000	16:092:00000	T	0.700	0.075	0.0000	-----
*7110	---	us	A	16:092:00000	16:198:00000	T	0.650	0.075	0.0000	-----
*7110	---	us	A	16:198:00000	16:270:00000	T	0.530	0.075	0.0000	-----
*7110	---	us	A	16:270:00000	17:001:00000	T	0.654	0.075	0.0000	-----
*7119	---	us	A	13:001:00000	13:075:00000	T	0.330	0.075	0.0000	-----
*7119	---	us	A	13:075:00000	13:152:00000	T	0.430	0.075	0.0000	-----
*7119	---	us	A	13:152:00000	14:001:00000	T	0.390	0.075	0.0000	-----
*7119	---	us	A	14:001:00000	14:032:00000	T	0.400	0.075	0.0000	-----

*7119	---	us	A	14:032:00000	14:091:00000	T	0.250	0.075	0.0000	-----
*7119	---	us	A	14:091:00000	14:140:00000	T	0.350	0.075	0.0000	-----
*7119	---	us	A	14:140:00000	14:284:00000	T	0.145	0.075	0.0000	-----
*7119	---	us	A	14:284:00000	15:014:00000	T	0.335	0.075	0.0000	-----
*7119	---	us	A	15:014:00000	15:184:00000	T	0.450	0.075	0.0000	-----
*7119	---	us	A	15:184:00000	16:317:00000	T	0.120	0.075	0.0000	-----
*7119	---	us	A	16:317:00000	17:001:00000	T	0.360	0.075	0.0000	-----
*7124	---	us	A	13:001:00000	13:106:00000	T	0.250	0.035	0.0000	-----
*7124	---	us	A	13:106:00000	13:180:00000	T	0.350	0.035	0.0000	-----
*7124	---	us	A	13:180:00000	13:313:00000	T	0.300	0.035	0.0000	-----
*7124	---	us	A	13:313:00000	14:001:00000	T	0.500	0.035	0.0000	-----
*7124	---	us	A	14:001:00000	14:091:00000	T	0.440	0.050	0.0000	-----
*7124	---	us	A	14:091:00000	14:148:00000	T	0.530	0.050	0.0000	-----
*7124	---	us	A	14:148:00000	14:283:00000	T	0.460	0.050	0.0000	-----
*7124	---	us	A	14:283:00000	15:121:00000	T	0.350	0.050	0.0000	-----
*7124	---	us	A	15:121:00000	15:264:00000	T	0.430	0.040	0.0000	-----
*7124	---	us	A	16:173:00000	17:001:00000	T	0.760	0.030	0.0000	-----
*7237	---	us	A	13:001:00000	13:091:00000	T	0.100	0.030	0.0000	-----
*7237	---	us	A	13:091:00000	13:222:00000	T	0.180	0.030	0.0000	-----
*7237	---	us	A	13:222:00000	13:340:00000	T	0.050	0.030	0.0000	-----
*7237	---	us	A	13:340:00000	14:126:00000	T	0.075	0.030	0.0000	-----
*7237	---	us	A	14:126:00000	14:322:00000	T	0.035	0.030	0.0000	-----
*7237	---	us	A	14:322:00000	14:327:00000	T	-0.650	0.030	0.0245	c.drift
*7237	---	us	A	14:327:00000	14:331:00000	T	-0.550	0.030	0.0245	c.drift
*7237	---	us	A	14:331:00000	14:336:00000	T	-0.450	0.030	0.0245	c.drift
*7237	---	us	A	14:336:00000	14:340:00000	T	-0.350	0.030	0.0245	c.drift
*7237	---	us	A	14:340:00000	14:344:00000	T	-0.250	0.030	0.0245	c.drift
*7237	---	us	A	14:344:00000	14:349:00000	T	-0.150	0.030	0.0245	c.drift
*7237	---	us	A	14:349:00000	14:353:00000	T	-0.030	0.030	0.0245	c.drift
*7237	---	us	A	15:001:00000	15:068:00000	T	0.035	0.035	0.0000	-----
*7237	---	us	A	15:068:00000	15:069:00000	T	-0.425	0.035	0.0000	-----
*7237	---	us	A	15:069:00000	15:281:00000	T	0.035	0.035	0.0000	-----
*7237	---	us	A	15:281:00000	15:285:00000	T	-0.550	0.030	-0.0357	c.drift
*7237	---	us	A	15:285:00000	15:288:00000	T	-0.650	0.030	-0.0357	c.drift
*7237	---	us	A	15:288:00000	15:290:00000	T	-0.710	0.030	-0.0357	c.drift
*7237	---	us	A	15:290:00000	15:293:00000	T	-0.800	0.030	-0.0357	c.drift
*7237	---	us	A	15:293:00000	15:296:00000	T	-0.880	0.030	-0.0357	c.drift
*7237	---	us	A	15:296:00000	15:350:00000	T	-0.585	0.035	0.0000	-----
*7237	---	us	A	15:350:00000	15:353:00000	T	-0.390	0.035	0.0270	c.drift
*7237	---	us	A	15:353:00000	15:357:00000	T	-0.290	0.035	0.0270	c.drift
*7237	---	us	A	15:357:00000	15:360:00000	T	-0.210	0.035	0.0270	c.drift
*7237	---	us	A	15:360:00000	15:364:00000	T	-0.120	0.035	0.0270	c.drift
*7237	---	us	A	16:002:00000	16:005:00000	T	0.075	0.035	0.0270	c.drift
*7237	---	us	A	16:005:00000	16:008:00000	T	0.140	0.035	0.0270	c.drift
*7237	---	us	A	16:008:00000	16:011:00000	T	0.230	0.035	0.0270	c.drift
*7237	---	us	A	16:011:00000	16:013:18000	T	0.320	0.035	0.0270	c.drift
*7237	---	us	A	16:014:00000	16:026:00000	T	0.050	0.040	0.0000	-----
*7237	---	us	A	16:027:01860	16:045:00000	T	0.050	0.065	0.0000	-----
*7237	---	us	A	16:045:01860	16:062:00000	T	0.150	0.065	0.0000	-----
*7237	---	us	A	16:062:01860	16:141:00000	T	0.075	0.065	0.0000	-----
*7237	---	us	A	16:141:01860	16:187:00000	T	0.000	0.065	0.0000	-----
*7237	---	us	A	16:187:00000	16:194:00000	T	-0.545	0.035	0.0293	c.drift
*7237	---	us	A	16:194:00000	16:200:00000	T	0.000	0.030	0.0000	-----
*7237	---	us	A	16:200:00000	16:201:00000	T	-0.600	0.030	0.0293	c.drift
*7237	---	us	A	16:201:00000	16:204:00000	T	-0.550	0.030	0.0293	c.drift
*7237	---	us	A	16:204:00000	16:207:00000	T	-0.460	0.030	0.0293	c.drift
*7237	---	us	A	16:207:00000	16:210:00000	T	-0.350	0.030	0.0293	c.drift
*7237	---	us	A	16:210:00000	16:214:00000	T	-0.250	0.030	0.0293	c.drift
*7237	---	us	A	16:214:00000	16:218:00000	T	-0.150	0.030	0.0293	c.drift
*7237	---	us	A	16:218:00000	16:221:00000	T	-0.025	0.030	0.0293	c.drift
*7237	---	us	A	16:221:00000	16:224:00000	T	0.075	0.030	0.0293	c.drift
*7237	---	us	A	16:224:00000	16:226:00000	T	0.170	0.030	0.0293	c.drift
*7237	---	us	A	16:226:00000	16:229:00000	T	0.270	0.030	0.0293	c.drift
*7237	---	us	A	16:229:00000	16:231:00000	T	0.375	0.030	0.0293	c.drift
*7237	---	us	A	16:231:00000	16:233:00000	T	0.450	0.030	0.0293	c.drift
*7237	---	us	A	16:233:00000	16:236:00000	T	0.550	0.030	0.0293	c.drift
*7237	---	us	A	16:236:00000	16:239:00000	T	0.000	0.030	0.0000	-----
*7237	---	us	A	16:239:00000	16:243:00000	T	-0.550	0.030	0.0361	c.drift
*7237	---	us	A	16:243:00000	16:246:00000	T	-0.450	0.030	0.0361	c.drift
*7237	---	us	A	16:246:00000	16:249:00000	T	-0.350	0.030	0.0361	c.drift
*7237	---	us	A	16:249:00000	16:251:00000	T	-0.250	0.030	0.0361	c.drift
*7237	---	us	A	16:251:00000	16:254:00000	T	-0.150	0.030	0.0361	c.drift
*7237	---	us	A	16:254:00000	16:257:00000	T	-0.050	0.030	0.0361	c.drift
*7237	---	us	A	16:257:00000	16:260:00000	T	0.050	0.030	0.0361	c.drift
*7237	---	us	A	16:260:00000	16:262:00000	T	0.150	0.030	0.0361	c.drift
*7237	---	us	A	16:262:00000	16:265:00000	T	0.250	0.030	0.0361	c.drift
*7237	---	us	A	16:265:00000	16:268:00000	T	0.350	0.030	0.0361	c.drift

*7237	---	us	A	16:268:00000	16:271:00000	T	0.450	0.030	0.0361	c.drift
*7237	---	us	A	16:271:00000	16:274:00000	T	0.550	0.030	0.0361	c.drift
*7237	---	us	A	16:274:00000	16:276:00000	T	0.650	0.030	0.0361	c.drift
*7237	---	us	A	16:276:00000	17:001:00000	T	0.100	0.030	0.0000	-----
*7308	---	us	A	13:001:00000	13:182:00000	T	-0.185	0.020	0.0000	-----
*7308	---	us	A	13:182:00000	17:001:00000	T	-0.045	0.020	0.0000	-----
*7394	---	us	A	16:001:00000	17:001:00000	T	0.260	0.020	0.0000	-----
*7403	---	us	A	13:001:00000	13:099:00000	T	0.000	0.045	0.0000	-----
*7403	---	us	A	13:099:00000	13:227:00000	T	0.100	0.045	0.0000	-----
*7403	---	us	A	13:227:00000	13:323:00000	T	0.200	0.045	0.0000	-----
*7403	---	us	A	13:323:00000	14:167:00000	T	0.130	0.045	0.0000	-----
*7403	---	us	A	14:342:00000	15:108:00000	T	0.150	0.040	0.0000	-----
*7403	---	us	A	15:108:00000	15:362:00000	T	0.215	0.040	0.0000	-----
*7403	---	us	A	15:362:00000	16:034:00000	T	0.100	0.040	0.0000	-----
*7403	---	us	A	16:034:00000	16:246:00000	T	0.250	0.040	0.0000	-----
*7403	---	us	A	16:246:00000	17:001:00000	T	0.150	0.040	0.0000	-----
*7406	---	us	A	13:001:00000	17:001:00000	T	0.130	0.040	0.0000	-----
*7407	---	us	A	16:001:00000	17:001:00000	T	-0.060	0.030	0.0000	-----
*7501	---	us	A	15:001:00000	15:142:00000	T	-0.020	0.045	-0.0005	c.drift
*7501	---	us	A	15:142:00000	15:251:00000	T	0.025	0.045	0.0000	-----
*7501	---	us	A	15:251:00000	15:264:00000	T	-0.440	0.045	0.0000	-----
*7501	---	us	A	15:264:00000	17:001:00000	T	0.345	0.045	0.0000	-----
*7810	---	us	B	13:001:00000	13:090:00000	T	0.210	0.065	0.0000	-----
*7810	---	us	B	13:090:00000	13:230:00000	T	0.320	0.065	0.0000	-----
*7810	---	us	B	13:230:00000	14:001:00000	T	0.415	0.065	0.0000	-----
*7810	---	us	B	14:001:00000	15:001:00000	T	0.400	0.065	0.0000	-----
*7810	---	us	B	15:001:00000	15:187:00000	T	0.375	0.065	0.0000	-----
*7810	---	us	B	15:188:28860	15:264:00000	T	0.250	0.045	0.0000	-----
*7810	---	us	B	15:264:00000	16:001:00000	T	0.350	0.045	0.0000	-----
*7810	---	us	B	16:001:00000	17:001:00000	T	0.395	0.045	0.0000	-----
*7811	---	us	A	13:001:00000	17:001:00000	T	0.210	0.045	0.0000	-----
*7821	---	us	A	13:001:00000	17:001:00000	T	0.130	0.045	0.0000	-----
*7824	---	us	B	13:001:00000	14:001:00000	T	0.860	0.105	0.0000	-----
*7824	---	us	B	14:001:00000	17:001:00000	T	0.960	0.095	0.0000	-----
*7825	---	us	A	13:001:00000	13:188:00000	T	-0.070	0.500	0.0000	-----
*7825	---	us	A	13:188:00000	14:126:00000	T	0.065	0.500	0.0000	-----
*7825	---	us	A	14:126:00000	17:001:00000	T	0.000	1.500	0.0000	-----
*7838	---	us	A	13:001:00000	13:136:00000	T	-0.100	0.030	0.0000	-----
*7838	---	us	A	13:136:00000	13:198:00000	T	-1.450	0.030	-0.0350	c.drift
*7838	---	us	A	13:198:00000	13:219:00000	T	-1.100	0.030	0.0650	c.drift
*7838	---	us	A	14:090:00000	14:116:00000	T	0.000	0.045	-0.0350	c.drift
*7838	---	us	A	14:116:00000	15:216:00000	T	0.275	0.045	0.0000	-----
*7838	---	us	A	15:216:00000	17:001:00000	T	-0.090	0.045	0.0000	-----
*7840	---	us	A	13:001:00000	13:021:00000	T	0.150	0.045	0.0000	-----
*7840	---	us	A	13:021:00000	13:075:00000	T	0.110	0.045	0.0000	-----
*7840	---	us	A	13:075:00000	14:001:00000	T	0.210	0.045	0.0000	-----
*7840	---	us	A	14:001:00000	14:035:00000	T	0.210	0.045	0.0000	-----
*7840	---	us	A	14:035:00000	14:051:00000	T	0.250	0.045	0.0000	-----
*7840	---	us	A	14:051:00000	14:165:00000	T	0.215	0.045	0.0000	-----
*7840	---	us	A	14:165:00000	14:201:00000	T	0.180	0.045	0.0000	-----
*7840	---	us	A	14:201:00000	14:264:00000	T	0.220	0.045	0.0000	-----
*7840	---	us	A	14:264:00000	14:345:00000	T	0.168	0.045	0.0000	-----
*7840	---	us	A	14:345:00000	15:011:00000	T	0.200	0.045	0.0000	-----
*7840	---	us	A	15:011:00000	16:139:00000	T	0.170	0.045	0.0000	-----
*7840	---	us	A	16:139:00000	17:001:00000	T	-0.016	0.045	0.0000	-----
*7841	---	us	A	13:001:00000	17:001:00000	T	0.640	0.045	0.0000	-----
*7845	---	us	A	13:001:00000	13:034:00000	T	-0.210	0.025	0.0000	-----
*7845	---	us	A	13:034:00000	13:070:00000	T	-0.260	0.025	0.0000	-----
*7845	---	us	A	13:070:00000	13:083:00000	T	-0.170	0.025	0.0000	-----
*7845	---	us	A	13:083:00000	14:011:00000	T	-0.080	0.025	0.0000	-----
*7845	---	us	A	14:011:00000	14:023:00000	T	0.400	0.025	0.0000	-----
*7845	---	us	A	14:023:00000	14:150:00000	T	-0.063	0.025	0.0000	-----
*7845	---	us	A	14:150:00000	14:164:00000	T	-1.376	0.025	0.0000	-----
*7845	---	us	A	14:164:00000	14:210:00000	T	-0.100	0.025	-0.0010	c.drift
*7845	---	us	A	14:210:00000	14:213:00000	T	0.330	0.025	0.0000	-----
*7845	---	us	A	14:213:00000	14:317:00000	T	-0.205	0.025	-0.0010	c.drift
*7845	---	us	A	14:326:00000	17:001:00000	T	-0.220	0.030	0.0000	-----
*7941	---	us	A	13:001:00000	13:083:00000	T	-0.165	0.045	0.0000	-----
*7941	---	us	A	13:083:00000	13:102:00000	T	0.000	0.045	0.0000	-----
*7941	---	us	A	13:102:00000	17:001:00000	T	0.250	0.045	0.0000	-----
*8834	---	us	A	13:126:00000	13:157:00000	T	-1.100	0.025	-0.0032	c.drift
*8834	---	us	A	13:157:00000	13:188:00000	T	-1.200	0.025	-0.0032	c.drift
*8834	---	us	A	13:188:00000	13:220:00000	T	-1.300	0.025	-0.0032	c.drift
*8834	---	us	A	13:220:00000	13:252:00000	T	-1.400	0.025	-0.0032	c.drift
*8834	---	us	A	13:252:00000	13:283:00000	T	-1.500	0.025	-0.0032	c.drift
*8834	---	us	A	13:283:00000	13:307:00000	T	-0.215	0.025	-0.0052	c.drift
*8834	---	us	A	13:307:00000	13:325:00000	T	-0.300	0.025	-0.0052	c.drift

*8834	---	us	A	13:325:00000	14:007:00000	T	-0.450	0.025	-0.0052	c.drift
*8834	---	us	A	14:007:00000	14:024:00000	T	-0.620	0.025	-0.0052	c.drift
*8834	---	us	A	14:024:00000	14:042:00000	T	-0.730	0.025	-0.0054	c.drift
*8834	---	us	A	14:042:00000	14:060:00000	T	-0.830	0.025	-0.0054	c.drift
*8834	---	us	A	14:060:00000	14:078:00000	T	-0.930	0.025	-0.0054	c.drift
*8834	---	us	A	14:078:00000	14:096:00000	T	-1.010	0.025	-0.0056	c.drift
*8834	---	us	A	14:096:00000	14:112:00000	T	-1.110	0.025	-0.0056	c.drift
*8834	---	us	A	14:112:00000	14:130:00000	T	-1.210	0.025	-0.0056	c.drift
*8834	---	us	A	14:130:00000	14:148:00000	T	-1.320	0.025	-0.0056	c.drift
*8834	---	us	A	14:148:00000	14:167:00000	T	-1.430	0.025	-0.0056	c.drift
*8834	---	us	A	14:167:00000	14:185:00000	T	-1.550	0.025	-0.0056	c.drift
*8834	---	us	A	14:185:00000	14:203:00000	T	-1.650	0.025	-0.0056	c.drift
*8834	---	us	A	14:203:00000	14:218:00000	T	-1.750	0.025	-0.0065	c.drift
*8834	---	us	A	14:218:00000	14:233:00000	T	-1.850	0.025	-0.0065	c.drift
*8834	---	us	A	14:233:00000	14:249:00000	T	-1.950	0.025	-0.0065	c.drift
*8834	---	us	A	15:182:00000	15:194:00000	T	-0.320	0.025	-0.0090	c.drift
*8834	---	us	A	15:194:00000	15:205:00000	T	-0.420	0.025	-0.0090	c.drift
*8834	---	us	A	15:205:00000	15:208:00000	T	0.150	0.025	0.0000	-----
*8834	---	us	A	15:208:00000	15:220:00000	T	-0.350	0.025	-0.0089	c.drift
*8834	---	us	A	15:220:00000	15:231:00000	T	-0.450	0.025	-0.0089	c.drift
*8834	---	us	A	15:231:00000	15:243:00000	T	-0.550	0.025	-0.0089	c.drift
*8834	---	us	A	15:243:00000	15:254:00000	T	-0.650	0.025	-0.0089	c.drift
*8834	---	us	A	15:254:00000	15:266:00000	T	-0.750	0.025	-0.0089	c.drift
*8834	---	us	A	15:266:00000	15:277:00000	T	-0.850	0.025	-0.0089	c.drift
*8834	---	us	A	15:277:00000	15:285:72000	T	-0.950	0.025	-0.0089	c.drift
*8834	---	us	A	15:285:72000	15:300:00000	T	-0.300	0.025	-0.0084	c.drift
*8834	---	us	A	15:300:00000	15:312:00000	T	-0.400	0.025	-0.0084	c.drift
*8834	---	us	A	15:312:00000	15:324:00000	T	-0.500	0.025	-0.0084	c.drift
*8834	---	us	A	15:324:00000	15:336:00000	T	-0.600	0.025	-0.0084	c.drift
*8834	---	us	A	15:336:00000	15:348:00000	T	-0.700	0.025	-0.0084	c.drift
*8834	---	us	A	15:348:00000	15:360:00000	T	-0.800	0.025	-0.0084	c.drift
*8834	---	us	A	16:007:00000	16:019:00000	T	-1.000	0.025	-0.0084	c.drift
*8834	---	us	A	16:019:00000	16:031:00000	T	-1.150	0.025	-0.0084	c.drift
*8834	---	us	A	16:031:00000	16:042:00000	T	-1.250	0.025	-0.0084	c.drift
*8834	---	us	A	16:042:00000	16:054:00000	T	-1.350	0.025	-0.0084	c.drift
*8834	---	us	A	16:054:00000	16:065:00000	T	-1.450	0.025	-0.0084	c.drift
*8834	---	us	A	16:065:00000	16:075:00000	T	-1.550	0.025	-0.0084	c.drift
*8834	---	us	A	16:075:00000	16:086:00000	T	-0.350	0.025	-0.0067	c.drift
*8834	---	us	A	16:086:00000	16:095:00000	T	-0.450	0.025	-0.0067	c.drift
*8834	---	us	A	16:095:00000	16:105:00000	T	-0.550	0.025	-0.0067	c.drift
*8834	---	us	A	16:105:00000	16:128:00000	T	-0.075	0.025	-0.0043	c.drift
*8834	---	us	A	16:128:00000	16:150:00000	T	-0.150	0.025	-0.0043	c.drift
*8834	---	us	A	16:150:00000	16:172:00000	T	-0.250	0.025	-0.0043	c.drift
*8834	---	us	A	16:172:00000	16:193:00000	T	-0.350	0.025	-0.0043	c.drift
*8834	---	us	A	16:193:00000	16:204:00000	T	-0.150	0.025	-0.0050	c.drift
*8834	---	us	A	16:204:00000	16:215:00000	T	-0.210	0.025	-0.0050	c.drift
*8834	---	us	A	16:215:00000	16:222:00000	T	-0.075	0.025	-0.0120	c.drift
*8834	---	us	A	16:222:00000	16:229:00000	T	-0.150	0.025	-0.0120	c.drift
*8834	---	us	A	16:229:00000	16:236:00000	T	-0.250	0.025	-0.0120	c.drift
*8834	---	us	A	16:236:00000	16:243:00000	T	-0.320	0.025	-0.0120	c.drift
*8834	---	us	A	16:243:00000	16:250:00000	T	-0.400	0.025	-0.0120	c.drift
*8834	---	us	A	16:250:00000	16:257:00000	T	-0.480	0.025	-0.0120	c.drift
*8834	---	us	A	16:257:00000	16:264:00000	T	-0.580	0.025	-0.0120	c.drift
*8834	---	us	A	16:264:00000	16:271:00000	T	-0.660	0.025	-0.0120	c.drift
*8834	---	us	A	16:271:00000	16:278:00000	T	-0.750	0.025	-0.0120	c.drift
*8834	---	us	A	16:278:00000	16:285:00000	T	-0.850	0.025	-0.0120	c.drift
*8834	---	us	A	16:285:00000	16:292:00000	T	-0.950	0.025	-0.0120	c.drift
*8834	---	us	A	16:292:00000	16:299:00000	T	-1.050	0.025	-0.0120	c.drift
*8834	---	us	A	16:299:00000	16:306:00000	T	-1.150	0.025	-0.0120	c.drift
*8834	---	us	A	16:306:00000	16:313:00000	T	-1.270	0.025	-0.0140	c.drift
*8834	---	us	A	16:313:00000	16:320:00000	T	-1.385	0.025	-0.0140	c.drift
*8834	---	us	A	16:320:00000	16:327:00000	T	-1.500	0.025	-0.0140	c.drift
*8834	---	us	A	16:327:00000	16:334:00000	T	-1.400	0.025	-0.0179	c.drift
*8834	---	us	A	16:334:00000	16:339:00000	T	-1.500	0.025	-0.0179	c.drift
*8834	---	us	A	16:339:00000	16:344:00000	T	-1.600	0.025	-0.0179	c.drift
*8834	---	us	A	16:344:00000	16:349:00000	T	-1.700	0.025	-0.0179	c.drift
*8834	---	us	A	16:349:00000	16:354:00000	T	-1.800	0.025	-0.0179	c.drift
*8834	---	us	A	16:354:00000	16:358:00000	T	-1.900	0.025	-0.0179	c.drift
*8834	---	us	A	17:025:00000	17:047:00000	T	-0.210	0.012	-0.0240	c.drift
*8834	---	us	A	17:047:00000	17:061:00000	T	-0.032	0.010	-0.0250	c.drift
*8834	---	us	A	17:063:00000	17:072:00000	T	-0.022	0.007	-0.0250	c.drift
*8834	---	us	A	17:092:00000	17:111:00000	T	-0.070	0.018	-0.0290	c.drift
*8834	---	us	A	17:114:00000	17:123:00000	T	-0.200	0.030	-0.0250	c.drift
*8834	---	us	A	17:125:00000	17:130:00000	T	-0.065	0.019	-0.0285	c.drift
*8834	---	us	A	17:130:00000	17:137:00000	T	-0.022	0.016	0.0018	c.drift
*8834	---	us	A	17:194:00000	17:211:00000	T	0.150	0.020	0.0014	c.drift
*8834	---	us	A	17:226:00000	17:230:00000	T	-0.120	0.006	0.0014	c.drift

*8834	---	us	A	17:237:00000	17:256:00000	T	0.100	0.017	0.0000	-----
*8834	---	us	A	17:287:00000	17:347:00000	T	0.018	0.019	-0.0012	c.drift
*1884	---	us	A	17:116:00000	17:136:00000	T	0.010	0.036	0.0000	-----
*1874	---	us	A	17:073:00000	17:073:00000	T	0.026	0.000	0.0000	-----
*1889	---	us	A	17:300:00000	17:336:00000	T	0.026	0.070	0.0000	-----
*1890	---	us	A	17:071:00000	17:073:00000	T	-0.060	0.025	0.0000	-----
*1890	---	us	A	17:289:00000	17:363:00000	T	-0.160	0.030	0.0000	-----
*1891	---	us	A	17:072:00000	17:074:00000	T	0.067	0.020	0.0000	-----
*1893	---	us	A	17:042:00000	17:067:00000	T	0.140	0.017	0.0000	-----
*1893	---	us	A	17:102:00000	17:136:00000	T	0.040	0.018	0.0000	-----
*7080	---	us	A	17:052:00000	17:347:00000	T	0.200	0.078	0.0000	-----
*7090	---	us	A	17:001:00000	17:015:00000	T	0.400	0.017	0.0000	-----
*7090	---	us	A	17:025:00000	17:074:00000	T	0.400	0.019	0.0000	-----
*7090	---	us	A	17:091:00000	17:137:00000	T	0.350	0.020	-0.0010	c.drift
*7090	---	us	A	17:194:00000	17:254:00000	T	0.400	0.020	0.0000	-----
*7090	---	us	A	17:255:00000	17:256:00000	T	0.750	0.030	0.0000	-----
*7090	---	us	A	17:287:00000	17:345:00000	T	0.670	0.020	0.0000	-----
*7090	---	us	A	17:346:00000	17:365:00000	T	0.570	0.017	0.0000	-----
*7105	---	us	A	17:025:00000	17:072:00000	T	0.050	0.015	0.0000	-----
*7105	---	us	A	17:093:00000	17:108:00000	T	-0.050	0.020	0.0000	-----
*7105	---	us	A	17:121:00000	17:137:00000	T	0.045	0.014	0.0000	-----
*7105	---	us	A	17:194:00000	17:256:00000	T	0.015	0.016	0.0000	-----
*7105	---	us	A	17:289:00000	17:355:00000	T	0.070	0.018	0.0000	-----
*7110	---	us	A	17:006:00000	17:027:00000	T	0.550	0.020	0.0000	-----
*7110	---	us	A	17:031:00000	17:067:00000	T	0.700	0.020	0.0000	-----
*7110	---	us	A	17:091:00000	17:131:00000	T	0.600	0.013	0.0000	-----
*7110	---	us	A	17:193:00000	17:255:00000	T	0.700	0.020	0.0000	-----
*7110	---	us	A	17:289:00000	17:339:00000	T	0.500	0.020	0.0000	-----
*7110	---	us	A	17:345:00000	17:363:00000	T	0.550	0.020	0.0000	-----
*7119	---	us	A	17:002:00000	17:012:00000	T	0.350	0.012	0.0000	-----
*7119	---	us	A	17:026:00000	17:065:00000	T	0.350	0.018	0.0000	-----
*7119	---	us	A	17:092:00000	17:137:00000	T	0.006	0.012	0.0000	-----
*7119	---	us	A	17:193:00000	17:256:00000	T	0.100	0.016	0.0000	-----
*7119	---	us	A	17:287:00000	17:289:00000	T	0.000	0.010	0.0000	-----
*7119	---	us	A	17:292:00000	17:314:00000	T	0.070	0.013	0.0000	-----
*7119	---	us	A	17:320:00000	17:365:00000	T	0.280	0.014	0.0000	-----
*7124	---	us	A	17:026:00000	17:074:00000	T	0.750	0.014	0.0000	-----
*7124	---	us	A	17:101:00000	17:131:00000	T	0.670	0.014	0.0000	-----
*7124	---	us	A	17:194:00000	17:207:00000	T	0.750	0.020	0.0000	-----
*7124	---	us	A	17:244:00000	17:256:00000	T	0.800	0.010	0.0000	-----
*7124	---	us	A	17:297:00000	17:362:00000	T	0.700	0.020	0.0000	-----
*7237	---	us	A	17:002:00000	17:015:00000	T	0.200	0.013	0.0000	-----
*7237	---	us	A	17:025:00000	17:055:00000	T	0.200	0.300	0.0000	-----
*7237	---	us	A	17:071:00000	17:074:00000	T	0.200	0.015	0.0000	-----
*7237	---	us	A	17:092:00000	17:132:00000	T	0.070	0.020	0.0000	-----
*7237	---	us	A	17:196:00000	17:221:00000	T	0.020	0.020	0.0000	-----
*7237	---	us	A	17:229:00000	17:256:00000	T	0.090	0.016	-0.0010	c.drift
*7237	---	us	A	17:287:00000	17:365:00000	T	-0.050	0.030	-0.0004	c.drift
*7394	---	us	A	17:073:00000	17:074:00000	T	0.290	0.000	0.0000	-----
*7403	---	us	A	17:094:00000	17:096:00000	T	0.085	0.007	0.0000	-----
*7403	---	us	A	17:097:00000	17:133:00000	T	-0.080	0.012	0.0000	-----
*7403	---	us	A	17:193:00000	17:242:00000	T	0.170	0.034	0.0000	-----
*7403	---	us	A	17:294:00000	17:348:00000	T	0.020	0.020	0.0000	-----
*7501	---	us	A	17:011:00000	17:073:00000	T	0.600	0.020	0.0000	-----
*7501	---	us	A	17:001:00000	17:137:00000	T	0.500	0.010	-0.0008	c.drift
*7501	---	us	A	17:208:00000	17:256:00000	T	0.600	0.016	0.0000	-----
*7501	---	us	A	17:287:00000	17:333:00000	T	0.500	0.040	-0.0140	c.drift
*7501	---	us	A	17:346:00000	17:348:00000	T	0.100	0.002	0.0000	-----
*7810	---	us	A	17:057:00000	17:074:00000	T	0.400	0.030	0.0000	-----
*7810	---	us	A	17:093:00000	17:137:00000	T	0.320	0.030	-0.0120	c.drift
*7810	---	us	A	17:326:00000	17:365:00000	T	0.200	0.050	0.0000	-----
*7811	---	us	A	17:003:00000	17:062:00000	T	0.200	0.012	0.0000	-----
*7811	---	us	A	17:119:00000	17:137:00000	T	0.110	0.010	0.0000	-----
*7811	---	us	A	17:241:00000	17:243:00000	T	0.230	0.007	0.0000	-----
*7811	---	us	A	17:289:00000	17:303:00000	T	0.100	0.010	0.0000	-----
*7811	---	us	A	17:364:00000	17:364:00000	T	0.120	0.000	0.0000	-----
*7825	---	us	A	17:004:00000	17:074:00000	T	0.000	2.000	0.0000	-----
*7825	---	us	A	17:091:00000	17:135:00000	T	0.000	2.000	0.0000	-----
*7825	---	us	A	17:250:00000	17:256:00000	T	-0.100	0.200	0.0000	-----
*7825	---	us	A	17:288:00000	17:350:00000	T	0.050	0.200	0.0000	-----
*7838	---	us	A	17:004:00000	17:067:00000	T	-0.040	0.030	0.0000	-----
*7838	---	us	A	17:093:00000	17:137:00000	T	-0.150	0.030	0.0000	-----
*7838	---	us	A	17:203:00000	17:244:00000	T	-0.010	0.030	0.0000	-----
*7838	---	us	A	17:303:00000	17:361:00000	T	-0.130	0.035	0.0000	-----
*7839	---	us	A	17:287:00000	17:293:00000	T	-0.070	0.030	0.0000	-----
*7840	---	us	A	17:002:00000	17:014:00000	T	-0.060	0.005	-0.0050	c.drift
*7840	---	us	A	17:026:00000	17:063:00000	T	-0.030	0.010	-0.0030	c.drift

```
*7840 --- us A 17:066:00000 17:074:00000 T -0.004 0.015 0.0000 -----
*7840 --- us A 17:091:00000 17:134:00000 T -0.100 0.020 0.0000 -----
*7840 --- us A 17:194:00000 17:256:00000 T 0.030 0.020 0.0000 -----
*7840 --- us A 17:287:00000 17:365:00000 T -0.100 0.050 0.0000 -----
*7841 --- us A 17:288:00000 17:363:00000 T 0.090 0.020 0.0000 -----
*7845 --- us A 17:030:00000 17:074:00000 T -0.230 0.015 0.0000 -----
*7845 --- us A 17:093:00000 17:136:00000 T 0.300 0.020 0.0000 -----
*7845 --- us A 17:194:00000 17:255:00000 T -0.230 0.015 0.0000 -----
*7845 --- us A 17:289:00000 17:290:00000 T -1.300 0.007 0.0000 -----
*7845 --- us A 17:293:00000 17:355:00000 T -0.330 0.020 0.0000 -----
*7941 --- us A 17:001:00000 17:365:00000 T 0.230 0.060 0.0000 -----
```

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```
*CODE PT_ UNIT T _DATA_START_ __DATA_END__ M __E-VALUE___ STD_DEV _E-RATE__ _CMNTS_
```

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```
* List of RECOMMENDED data corrections converted from CDDIS data base free format
```

```
*
```

```
*7090 --- ms A 96:200:00000 96:200:86400 T -0.0010 Cesium clock drift (cor. time=np time - corr.)
*7090 --- ms A 96:201:00000 96:201:86400 T -0.0012 Cesium clock drift (cor. time=np time - corr.)
*7090 --- ms A 96:202:00000 96:202:86400 T -0.0013 Cesium clock drift (cor. time=np time - corr.)
*7090 --- ms A 96:203:00000 96:203:86400 T -0.0015 Cesium clock drift (cor. time=np time - corr.)
*7090 --- ms A 96:204:00000 96:204:86400 T -0.0016 Cesium clock drift (cor. time=np time - corr.)
*7090 --- ms A 96:205:00000 96:205:86400 T -0.0018 Cesium clock drift (cor. time=np time - corr.)
*7090 --- ms A 96:215:79021 96:215:86400 T 0.0005 Cesium clock drift (cor. time=np time - corr.)
*7403 --- ms A 97:024:00000 97:024:86400 T 0.0011 station time bias
*7403 --- ms A 97:025:00000 97:025:86400 T 0.0015 station time bias
*7403 --- ms A 97:045:00000 97:045:86400 T 0.0016 station time bias
*7403 --- ms A 97:046:00000 97:046:86400 T 0.0012 station time bias
*7403 --- ms A 97:047:00000 97:047:86400 T 0.0008 station time bias
*7403 --- ms A 97:048:00000 97:048:86400 T 0.0003 station time bias
*7403 --- ms A 97:049:00000 97:049:86400 T -0.0001 station time bias
*7403 --- ms A 97:050:00000 97:050:86400 T -0.0005 station time bias
*7403 --- ms A 97:051:00000 97:051:86400 T -0.0010 station time bias
*7403 --- ms A 97:052:00000 97:052:86400 T -0.0014 station time bias
*7403 --- ms A 97:053:00000 97:053:86400 T -0.0018 station time bias
*7403 --- ms A 97:056:00000 97:056:86400 T -0.0004 station time bias
*7403 --- ms A 97:057:00000 97:057:86400 T -0.0009 station time bias
*7403 --- ms A 97:058:00000 97:058:86400 T -0.0013 station time bias
*7403 --- ms A 97:059:00000 97:059:86400 T -0.0018 station time bias
```

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```
* List of data corrections converted from CDDIS data base (Van Husson's tables)
```

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```

```
*7109 --- ms A 96:338:00000 96:340:00000 T -.0011 clock drift
*7109 --- ms A 96:340:00000 96:343:00000 T -.0012 clock drift
*7109 --- ms A 96:343:00000 96:346:00000 T -.0013 clock drift
*7109 --- ms A 96:346:00000 96:348:00000 T -.0014 clock drift
*7109 --- ms A 96:348:00000 96:351:00000 T -.0015 clock drift
*7109 --- ms A 96:351:00000 96:352:00000 T -.0016 clock drift
*7210 --- ms A 94:347:00000 94:347:86400 T .0015 stat. clock drift
*7210 --- ms A 94:348:00000 94:348:86400 T .00160 stat. clock drift
*7210 --- ms A 94:349:00000 94:349:86400 T .00160 stat. clock drift
*7210 --- ms A 94:350:00000 94:350:86400 T .00170 stat. clock drift
*7210 --- ms A 94:351:00000 94:351:86400 T .00180 stat. clock drift
*7210 --- ms A 94:352:00000 94:352:86400 T .00190 stat. clock drift
*7210 --- ms A 94:356:00000 94:356:86400 T .00020 stat. clock drift
*7210 --- ms A 94:357:00000 94:357:86400 T .00030 stat. clock drift
*7210 --- ms A 94:358:00000 94:358:86400 T .00050 stat. clock drift
*7210 --- ms A 94:359:00000 94:359:86400 T .00060 stat. clock drift
*7210 --- ms A 94:360:00000 94:360:86400 T .00080 stat. clock drift
*7210 --- ms A 94:361:00000 94:361:86400 T .00090 stat. clock drift
*7210 --- ms A 94:362:00000 94:362:86400 T .00110 stat. clock drift
*7210 --- ms A 94:363:00000 94:363:86400 T .00120 stat. clock drift
*7210 --- ms A 94:364:00000 94:364:86400 T .00140 stat. clock drift
*7210 --- ms A 94:365:00000 94:365:86400 T .00150 stat. clock drift
*7210 --- ms A 95:001:00000 95:001:86400 T .00170 stat. clock drift
*7210 --- ms A 95:002:00000 95:002:86400 T .00180 stat. clock drift
*7210 --- ms A 95:010:00000 95:010:86400 T .00010 stat. clock drift
*7210 --- ms A 95:011:00000 95:011:86400 T .00020 stat. clock drift
*7210 --- ms A 95:012:00000 95:012:86400 T .00040 stat. clock drift
*7210 --- ms A 95:013:00000 95:013:86400 T .00050 stat. clock drift
*7210 --- ms A 95:014:00000 95:014:86400 T .00060 stat. clock drift
*7210 --- ms A 95:015:00000 95:015:86400 T .00080 stat. clock drift
*7210 --- ms A 95:016:00000 95:016:86400 T .00090 stat. clock drift
*7210 --- ms A 95:017:00000 95:017:86400 T .00100 stat. clock drift
*7210 --- ms A 95:018:00000 95:018:86400 T .00120 stat. clock drift
*7210 --- ms A 95:019:00000 95:019:86400 T .00130 stat. clock drift
*7210 --- ms A 95:020:00000 95:020:86400 T .00140 stat. clock drift
```

*7210	---	ms	A	95:021:00000	95:021:86400	T	.00160	stat.	clock	drift
*7210	---	ms	A	95:022:00000	95:022:86400	T	.00170	stat.	clock	drift
*7210	---	ms	A	95:023:00000	95:023:86400	T	.00180	stat.	clock	drift
*7210	---	ms	A	95:024:00000	95:024:86400	T	.00190	stat.	clock	drift
*7210	---	ms	A	95:048:00000	95:048:86400	T	-.00030	stat.	clock	drift
*7210	---	ms	A	95:049:00000	95:049:86400	T	-.00060	stat.	clock	drift
*7210	---	ms	A	95:050:00000	95:050:86400	T	-.00080	stat.	clock	drift
*7210	---	ms	A	95:051:00000	95:051:86400	T	-.00110	stat.	clock	drift
*7210	---	ms	A	95:052:00000	95:052:48600	T	-.00130	stat.	clock	drift
*7210	---	ms	A	95:052:48600	95:052:86400	T	-.00010	stat.	clock	drift
*7210	---	ms	A	95:053:00000	95:053:86400	T	.00020	stat.	clock	drift
*7210	---	ms	A	95:054:00000	95:054:86400	T	.00040	stat.	clock	drift
*7210	---	ms	A	95:055:00000	95:055:86400	T	.00070	stat.	clock	drift
*7210	---	ms	A	95:056:00000	95:056:86400	T	.00090	stat.	clock	drift
*7210	---	ms	A	95:057:00000	95:057:86400	T	.00120	stat.	clock	drift
*7210	---	ms	A	95:058:00000	95:058:86400	T	.00140	stat.	clock	drift
*7210	---	ms	A	95:059:00000	95:059:86400	T	.00170	stat.	clock	drift
*7210	---	ms	A	95:060:00000	95:060:86400	T	.00190	stat.	clock	drift
*7210	---	ms	A	95:063:00000	95:063:86400	T	.00190	stat.	clock	drift
*7210	---	ms	A	95:064:00000	95:064:86400	T	.00180	stat.	clock	drift
*7210	---	ms	A	95:065:00000	95:065:86400	T	.00170	stat.	clock	drift
*7210	---	ms	A	95:066:00000	95:066:86400	T	.00160	stat.	clock	drift
*7210	---	ms	A	95:067:00000	95:067:86400	T	.00170	stat.	clock	drift
*7210	---	ms	A	95:068:00000	95:068:86400	T	.00190	stat.	clock	drift
*7210	---	ms	A	95:144:19620	95:144:86400	T	-.000200	stat.	clock	drift
*7210	---	ms	A	95:145:00000	95:145:86400	T	-.000100	stat.	clock	drift
*7210	---	ms	A	95:147:00000	95:147:86400	T	.000100	stat.	clock	drift
*7210	---	ms	A	95:148:00000	95:148:86400	T	.000200	stat.	clock	drift
*7210	---	ms	A	95:149:00000	95:149:86400	T	.000300	stat.	clock	drift
*7210	---	ms	A	95:150:00000	95:150:86400	T	.000400	stat.	clock	drift
*7210	---	ms	A	95:151:00000	95:151:86400	T	.000500	stat.	clock	drift
*7210	---	ms	A	95:152:00000	95:152:86400	T	.000600	stat.	clock	drift
*7210	---	ms	A	95:153:00000	95:153:86400	T	.000700	stat.	clock	drift
*7210	---	ms	A	95:154:00000	95:154:86400	T	.000800	stat.	clock	drift
*7210	---	ms	A	95:155:00000	95:155:86400	T	.000900	stat.	clock	drift
*7210	---	ms	A	95:156:00000	95:156:86400	T	.001000	stat.	clock	drift
*7210	---	ms	A	95:157:00000	95:157:86400	T	.001100	stat.	clock	drift
*7210	---	ms	A	95:158:00000	95:158:86400	T	.001200	stat.	clock	drift
*7210	---	ms	A	95:159:00000	95:159:86400	T	.001300	stat.	clock	drift
*7210	---	ms	A	95:160:00000	95:160:86400	T	.001300	stat.	clock	drift
*7210	---	ms	A	95:161:00000	95:161:86400	T	.001300	stat.	clock	drift
*7210	---	ms	A	95:162:00000	95:165:52380	T	.001400	stat.	clock	drift
*7210	---	ms	A	99:153:00000	99:154:00000	T	-.0006	microsec	time	biases
*7210	---	ms	A	99:154:00000	99:155:00000	T	-.0005	SLRmails	#0396,#0398	
*7210	---	ms	A	99:155:00000	99:159:00000	T	.0007	SLRmails	#0396,#0398	
*7210	---	ms	A	99:159:00000	99:168:00000	T	.0006	SLRmails	#0396,#0398	
*7210	---	ms	A	99:190:00000	99:195:00000	T	.0011	SLRmails	#0396,#0398	

-SOLUTION/DATA_HANDLING

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%ENDSNX